GRUNDIG

made for you

Main Catalogue 2007

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Innovations made for you.

In developing our products, our main focus is always on your satisfaction. This is why Grundig not only provides user-friendly devices and perfect design, but above all innovative technology. The new HD Evolution from Grundig brings high-end quality television into your home. Experience breathtakingly sharp pictures, natural colours and optimal contrast.

Our televisions with HD ready also provide an excellent reception level, brilliant picture quality and superb user-friendliness – as confirmed by our outstanding test results. However, because we believe that the latest technology is only perfect when it can be operated with ease, our devices boast particularly user-friendly features. For example, our highly-commended Easy Dialog user menu. This provides you with an integrated, easy-to-follow electronic operating manual. Or our new HDD/DVD recorder with the YesDVD intelligent software solution for the extremely easy, uncomplicated creation of videos with automatic section creation and menu structures, just like the professional DVDs you already know. The TP 170 C remote controls are not just for your television – you can also use them for all connected Grundig DVB receivers, DVD players, HDD/DVD recorders and PVR devices.

Not only our own devices are easy to use – digital interfaces also enable you to connect Grundig periphery devices without any difficulties. That's high tech made for you.

Forward-looking technology and eye-catching design in one: Ovation 2 and Fine Arts from Grundig.

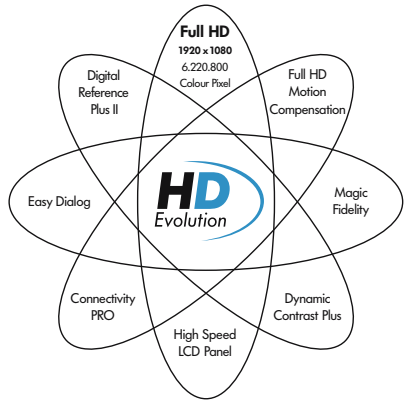
HD Evolution DIGI 200 magic fidelity

We believe that a sound system or a TV should be also be impressive when switched off. Which is why our production designers and engineers ensure that we combine intelligent technology and high-quality design. As in the case of our Ovation micro hi-fi system, which doesn't just stand out with its excellent Magic Fidelity sound, but also with its unique design.

Or our superb Fine Arts with HD Evolution and DIGI 200: optimal picture quality and fascinating sound in a timelessly elegant design for television enjoyment of the highest class. And because design is always a question of personal taste, we have an individual solution for every requirement.

For example, with Grundig TVs you not only get to choose between different technical features and diagonal screen sizes, but also between numerous attractive design lines and different layout options. And alongside a high-quality design, user-friendliness is always of paramount importance in all Grundig devices. Ultimately, good design should always match your requirements, and not the other way around.

HD Evolution – television technology of the next generation.



HD Evolution enables picture reproduction that comes extremely close to natural vision. The latest generation of high-speed chip is the heart of this new Grundig TV technology. Grundig engineers have designed the chip's control parameters so that HD Evolution television pictures meet the highest requirements in terms of natural and detailed representation.

As a pioneer in entertainment electronics and one of the innovators in 100-hertz technology, we have always used our entire technical expertise to design devices which are user-friendly and built for the future. Now we have taken a step further, and with HD Evolution from Grundig we provide you with TV entertainment of the next generation. At the heart of this techology is an extremely fast chip that checks all the picture information in detail and provides optimal, lifelike reproduction. The result is a television picture that is more natural than ever, with completely smooth object movement, maximum picture sharpness and optimised contrast. But what are the best pictures without the corresponding sound? The unique Magic Fidelity sound system patented for Grundig gives you an overwhelming sound experience. An innovative speaker concept enables room-filling sound, even at low volume. And because revolutionary technology also requires a new design, you will now find Grundig HD Evolution in our new Fine Arts. Visit www.grundig.com to see how fascinating HD Evolution is.

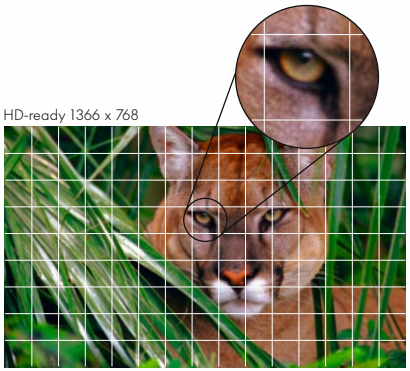
HD Evolution: The revolution in pixels.

HD Evolution has Full HD and stands for superbly sharp pictures. While the usual HD ready standard has around 1 million pixels, Full HD gives you a picture resolution of 1920 x 1080 pixels – which amounts to 2,073,600 pixels or 6,220,800 colour pixels – currently the maximum representation of detail in the HD television sector. Experience television like never before, with wonderfully clear pictures, fascinating details and a spatial depth that seems almost three-dimensional.

Full HD 1920 x 1080 pixels

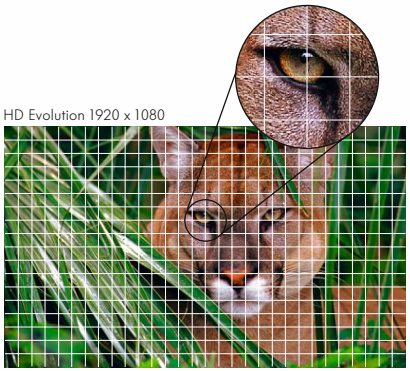
The greater the number of pixels, the sharper and more detailed the picture resolution. With 1920 x 1080 pixels, HD Evolution provides much greater detail and gives you a completely new level of viewing pleasure. You can precisely identify spectacular details, and films seem even more realistic. But HD Evolution doesn't just impress your eyes – it also taxes them less, through sharp contrast and flicker-free pictures.

HD-ready 1366 x 768



1,049,088 pixels

HD Evolution 1920 x 1080



2,073,600 pixels, resp. 6,220,800 colour pixels

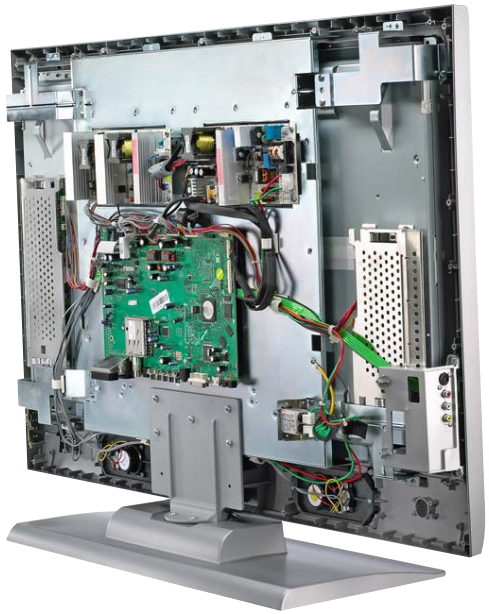
High Speed Panel

In modern, high-resolution TVs, the use of the latest generation of panels is an important requirement for achieving optimal picture quality. Liquid Crystal Displays (LCDs) of the latest design are distinguished by their high reaction speed, also known as afterglow duration. In the HD Evolution LCD TV by Grundig, the Full HD panel with an afterglow duration of less than 8 ms is of the very highest class. This is achieved by a new technique, known as "overdrive". The Grundig engineers have attained the optimal relationship between the high speed chip already mentioned and this high-speed panel – resulting in the most natural TV pictures ever achieved.

Digital Reference Plus II

Digital Reference Plus II is the latest high speed chip technology to use the parameters optimised by Grundig engineers for natural TV pictures. Incoming HDTV signals are optimised so that every single pixel is processed. At the same time, any picture errors are detected and immediately optimized. This innovative picture improvement technique results in perfect picture quality, with brilliant colours to the smallest level of detail.

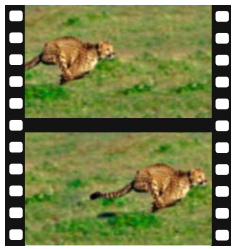
DIGI 200



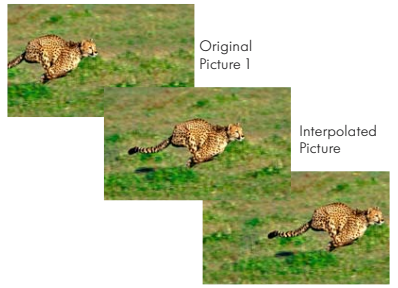
Full HD with Motion Compensation

Grundig TVs have always stood for particularly natural pictures. With HD Evolution, your living room receives cinema-quality colours. Because the colours of the picture are reproduced faithfully, and improved where necessary. With HD Evolution, Grundig proves that the latest digital technology has achieved the maximum in terms of natural colour reproduction.

Original



TV set with HD Evolution



The device calculates an additional picture for every two pictures and inserts it between them, thereby smoothing the motion display. Standard LCD TVs build two pictures – and Motion Compensation calculates an additional picture. This smooths the television picture; movements become more detailed and sharper, which in turn reduces the "jerks" that occur in fast camera sweeps.

Dynamic Contrast Plus

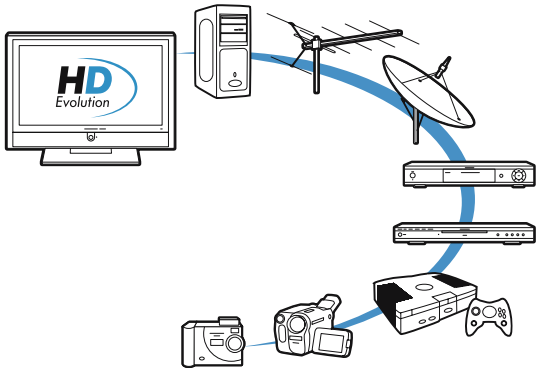
The picture contrast shows the relationship between the brightest and darkest picture presentation. Our new dynamic contrast optimisation ensures that the screen always guarantees the best possible contrast for the picture content. And this means optimally adjusted depth of focus.

Traditional PAL contrast

HD Evolution contrast

Connectivity Pro

The new Grundig HD Evolution LCD TV has numerous connection options for a variety of periphery home entertainment devices. For example, the digital home entertainment connection of the future – HDMI (High Definition Multimedia Interface). A HDMI cable transmits all the signals for digital pictures, digital surround sound and digital appliance control. The DVI interface provided, which can be used as a second HDMI input by means of an adapter, is used to connect a PC or a notebook directly. Thus the Grundig HD Evolution LCD TV, with a resolution in excess of 2 million pixels, can also be used for professional presentations.



Grundig DSR 1650-2 Micro. Micro digital TV receiver (DVB-S) for receiving free unencoded TV and radio programmes. Just plug it into the SCART socket of a Grundig HD Evolution and it becomes a complete IDTV television. The DSR 1650-2 is directly controlled by the DIGI 200 chassis with a special data bus line. Installation is easy and done in a matter of seconds via the Easy Dialog menu. You can operate it using the remote control of the LCD TV and avoid using a second remote control and changing operating levels.

The power supply for the DSR 1650-2 is also for the TV. A DVB-T and a DVB-C variation of the micro receiver will also be launched shortly.

HDMI (High Definition Multimedia Interface) and DVI (Digital Video Interface) are interfaces for digitally transferring video data (also sound data and data for appliance control for HDMI). Complete digital transmission via HDMI or DVI means you gain significant improvements in the picture quality compared to a SCART cable connection. The digital picture connection must have the state-of-the-art HDCP copy protection system.

Magic Fidelity sound system

With this speaker concept patented for Grundig, you can enjoy a large sound experience even at low volumes, which is a great advantage for flat TVs in particular. The technological basis for this is formed by three amplifier output stages within the device, which are adapted to their speakers in the medium-treble range and to the subwoofer. On the basis of this design, a total of "real" 40 watt of audio power is sufficient to create an outstanding sound.

Easy Dialog

The Grundig Easy Dialog user menu, self-explanatory and praised in several tests, is a clear, fast, easily operated on-screen dialog system. It provides you with an integrated electronic operating manual that enables you to easily enter your own settings.

Fine Arts 37

LXW 94-9650 FHD

High quality designer LCD TV with 94 cm active matrix TFT-LC display in 16:9 format and with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high speed panel with a maximum of 8 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2,600:1. Luminance density 500 cd/m². 176° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 98.5 x 73.3 x 11.3 cm (30 cm with pedestal). Weight: approx. 32.8 kg.

HD Evolution · HD ready · 2x HDMI · magic fidelity

Tharus 37

LXW 94-9745 FHD

94 cm Active Matrix TFT-LC display in 16:9 format with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high speed panel with a maximum of 8 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2,600:1. Luminance density 500 cd/m². 176° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 98.5 x 73.3 x 11.3 cm (30.0 cm with pedestal). Weight: approx. 32.8 kg.

HD Evolution · HD ready · magic fidelity · 2x HDMI

For technical data, see page 58 and 59.
For information on technical highlights, see pages 74 and 75.
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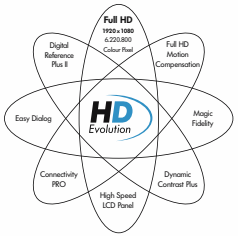
The Art of Television.
Designer LCD TV with HD Evolution.



Fine Arts and Tharus – the expression of new exclusivity. For these LCD TVs combine high end technology with luxury design. The elegant brushed aluminium surface underlines the clear and timeless character of these three TV sets. The exclusive HD Evolution represents the new generation of high end television technology: pictures and films that are more natural than ever, utterly smooth object motion, maximum picture sharpness and optimum contrasts.

2+1 year guarantee

Guarantee period extended to three years for Fine Arts 42, Fine Arts 37 and Tharus 37.

Fine Arts 42

LXW 110-9650 FHD

High quality designer LCD TV with 107 cm active matrix TFT-LC display in 16:9 format and with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high speed panel with a maximum of 5 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2,600:1. Luminance density 500 cd/m². 178° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 111.5 x 81.8 x 12.5 cm (30.5 cm with pedestal). Weight: approx. 41 kg.

HD Evolution · HD ready · 2x HDMI · magic fidelity

Personal Remote 100 system remote control

Vision+ with DIGI 200.
Timeless elegance and breathtaking images.

Our successful "Vision" series has now become "Vision+". The PLUS sign stands for DIGI 200, which is now integrated into Vision and ensures superbly sharp pictures. Images as you have never seen them before. And all this is provided in combination with the captivating sound experience from the unique Magic Fidelity System. Peripheral devices are connected via digital interfaces and Easy Dialog, the integrated electronic operating manual, ensures that the Vision+ LCD is easy to use. It goes without saying that the unit is also a feast for the eyes. There are, therefore, numerous reasons for deciding on a Vision+.

2+1 year guarantee

Guarantee period extended to three years for Vision+ 32 and Vision+ 26.

Vision+ 26

LXW 68-9740 Dolby

66 cm Active Matrix TFT-LC display in 16:9 format with the innovative DIGI TV 200 concept. Digital Reference Plus II technology for picture optimisation. Contrast ratio 1000:1. Luminance density 500 cd/m². 178° viewing angle (horizontal/vertical). Maximum of 5 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI or DVI. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 69.1 x 54.4 x 11.2 cm (24 cm with pedestal). Weight: approx. 18.6 kg.

DIGI 200 HD ready 2x HDMI magic fidelity

Vision+ 32

LXW 82-9740 Dolby

81 cm Active Matrix TFT-LC display in 16:9 format with the innovative DIGI 200 TV concept. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Luminance density 500 cd/m². Contrast ratio 800:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI or DVI. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 82.5 x 61.9 x 11.4 cm (25.1 cm with pedestal). Weight: approx. 25.1 kg.

DIGI 200 HD ready 2x HDMI magic fidelity

TP 170 C
system remote control

Vision 20

LCD 51-8610 TOP

51 cm Active Matrix TFT-LC display. Luminance density 450 cd/m². Contrast ratio: 500:1. Integrated teletext. 2 Euro-AV sockets (1 x RGB-compatible), S-Video input, VGA. Dimensions: approx. 50.5 x 49.5 x 8 cm (19.2 cm with pedestal). Weight: approx. 11 kg.

For technical data, see page 59, 60 and 61.
For information on technical highlights, see pages 74 and 75.
® Registered trademark of Dolby Laboratories Licensing Corporation.

Lenaro LCD-TVs with HD Evolution. Technology meets Elegance.

Lenaro LCD-TVs with HD Evolution have Full HD and supply television pictures at a resolution of 2,073,600 pixels – that's twice as many as HD ready TV sets. At the heart of the Lenaro lies Grundig's Digital Reference Plus II Technology. This digital signal processing technology removes the weaknesses of the television transmission system and prevents nearly all interference from digital artefacts. The result: natural television images. Of course, this intelligent technology has to have an elegant exterior.

2+1 year guarantee

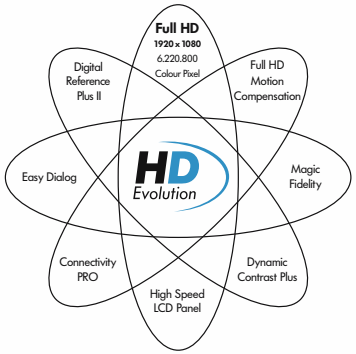
Guarantee period extended to three years for Lenaro 42 FHD and Lenaro 37 FHD.

Lenaro 42

LXW 110-8640 FHD

107 cm Active Matrix TFT-LC display in 16:9 format with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high speed panel with a maximum of 5 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2,600:1. Luminance density 500 cd/m². 178° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 108.2 x 80.7 x 12.3 cm (33 cm with pedestal). Weight: approx. 31.1 kg.

HD Evolution · HD ready · 2x HDMI · magic fidelity



TP 170 C
system remote control

Lenaro 37

LXW 94-8640 FHD

94 cm Active Matrix TFT-LC display in 16:9 format with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high speed panel with a maximum of 8 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2600:1. Luminance density 500 cd/m². 176° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 96.3 x 70.7 x 14 cm (33 cm with pedestal). Weight: approx. 29 kg.

HD Evolution · HD ready · 2x HDMI · magic fidelity

For technical data, see page 58 and 59.
For information on technical highlights, see pages 74 and 75.
® Registered trademark of Dolby Laboratories Licensing Corporation.

Lenaro 32

LXW 82-8720 Dolby

81 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1,200:1. Maximum reaction time of 8 ms. Ready for HDTV, including HDCP copy protection via HDMI. 2 HDMI inputs. Virtual Dolby® Surround. Dimensions: approx. 82.4 x 61.2 x 10.3 cm (28.5 cm with pedestal). Weight: approx. 20.7 kg.

HD ready 2x HDMI

Lenaro 26

LXW 68-8720 Dolby

66 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1,200:1. Maximum reaction time of 8 ms. Ready for HDTV, including HDCP copy protection via HDMI. 2 HDMI inputs. Virtual Dolby® Surround. Dimensions: approx. 70.1 x 53.7 x 9.7 cm (28.5 cm with pedestal). Weight: approx. 14 kg.

HD ready 2x HDMI

Lenaro 37

LXW 94-8720 Dolby

94 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1000:1. 178° viewing angle (horizontal/vertical). Maximum of 5 ms reaction time. Intelligent signal processing for better pictures. 2-tuner PIP. Ready for HDTV, including HDCP copy protection via HDMI. 2 HDMI inputs. 2 x Euro-AV (1 x RGB-compatible). S-Video input and RCA AV (for video cameras). YUV sockets (Progressive Scan). Virtual Dolby® Surround. Dimensions: approx. 96.3 x 70.7 x 14 cm (33 cm with pedestal). Weight: approx. 29 kg.

HD ready 2x HDMI

Upgradeable digital TV reception in miniature.
DSR 1650-2 Micro and DTR 1560-2 Micro are mini TV receivers for receiving digital TV and radio stations via satellite (DVB-S) or via roof or indoor antennas (DVB-T). The space-saving units, only 10 x 2.5 x 7.5 cm, are plugged directly into the SCART socket on your television or HDD/DVD recorder. A 12 V power supply also makes the two compact receivers, weighing only 90 g, suitable for use in a mobile home or camper van (see also pages 33 and 35).

From now on, you will see the world in a whole new way. Because the latest generation of TFT LC displays in the Lenaro range of LCD TVs guarantee unbelievably brilliant and detailed picture quality. Just sit back and enjoy it. This new viewing experiences is perfected by Grundig's typical high standard of user-friendliness and the generous package of extras for the Lenaro LCD TVs.

Discover a new world. With a Lenaro LCD TV.

Lenaro 40

LXW 102-8720 Dolby

102 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1500:1. 178° viewing angle (horizontal/vertical). Maximum of 6 ms reaction time. Intelligent signal processing for better pictures. 2-tuner PIP. Ready for HDTV, including HDCP copy protection via HDMI. 2 HDMI inputs. 2 x Euro-AV (1 x RGB-compatible). S-Video input and RCA AV (for video cameras). YUV input (Progressive Scan). Virtual Dolby® Surround. Dimensions: approx. 108.2 x 80.7 x 12.3 cm (33 cm with pedestal). Weight: approx. 31.1 kg.

HD ready 2x HDMI

TP 170 C system remote control

For technical data, see page 58, 59, 60 and 61.
For information on technical highlights, see pages 74 and 75.
® Registered trademark of Dolby Licensing Corporation.

Lenaro 19

LCD 49-7710 BS

49 cm Active Matrix TFT-LC display. Luminance density 300 cd/m². Contrast ratio 700:1. Maximum reaction time of 6 ms. Integrated teletext. 2 x Euro-AV (1 x RBG-compatible), S-Video input, VGA and RCA (for camcorders).
Dimensions: approx. 53.5 x 47.6 x 9.5 cm (19.6 cm with pedestal).
Weight: approx. 7.5 kg.

Lenaro 19

LW 49-7710 BS

49 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 300 cd/m². Contrast ratio 700:1. Maximum reaction time of 8 ms. Integrated teletext. 1 x Euro-AV (RGB-compatible), S-Video input, VGA and RCA (for camcorders).
Dimensions: approx. 54.8 x 41 x 8.7 cm (17.4 cm with pedestal).
Weight: approx. 7.5 kg.

Lenaro 26

LXW 68-7731 IDTV

66-cm Active Matrix TFT-LC display in 16:9 format with an integrated DVB-T receiver for viewing digital TV channels via a house or room antenna. Luminance density 500 cd/m². Contrast ratio 1,200:1. Maximum reaction time of 8 ms. Ready for HDTV, including HDCP copy protection via HDMI. HDMI input. Virtual Dolby® Surround. Common Interface slot for CA module.
Dimensions: approx. 70.1 x 53.7 x 9.7 cm (20.6 cm with pedestal).
Weight: approx. 14 kg.

Lenaro 32

LXW 82-7731 IDTV

81-cm Active Matrix TFT-LC display in 16:9 format with integrated DVB-T receiver for viewing digital TV channels using a house or room antenna. Luminance density 550 cd/m². Contrast ratio 1,200:1. Maximum reaction time of 6.5 ms. Ready for HDTV, including HDCP copy protection via HDMI. HDMI input. Virtual Dolby® Surround. Common Interface slot for CA module.
Dimensions: approx. 82.4 x 61.2 x 10.3 cm (24.8 cm with pedestal).
Weight: approx. 20.7 kg.

HD ready HDMI

TP 170 C
system remote control

Lenaro 37

LXW 94-7731 IDTV

94-cm Active Matrix TFT-LC display in 16:9 format with integrated DVB-T receiver for viewing digital TV channels using a house or room antenna. Luminance density 500 cd/m². Contrast ratio 800:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI. HDMI input, 2 x Euro-AV (1 x RGB-, 1 x S-Video-compatible), S-Video input and YUV input (Progressive Scan). Virtual Dolby® Surround. Common Interface slot for CA module. Dimensions: approx. 96.3 x 70.7 x 14 cm (27.5 cm with pedestal).
Weight: approx. 29 kg.

HD ready HDMI

TP 170 C
system remote control

Simply great television: The LCD Lenaro series.

With impressive pictures, extremely clear colour separation, outstanding contrast, the Lenaro LCD TVs offer excellent value at a very good price. Just as impressive is the user-friendly Grundig on-screen display. The three Lenaro IDTVs are also equipped for receiving digital TV stations using a house or room antenna through the integrated DVB-T receiver.

For technical data, see page 59, 60 und 61.
For information on technical highlights, see pages 74 and 75.
® Registered trademark of Dolby Licensing Corporation.

Cinemo 32

LXW 82-8735 REF

81 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1,200:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI. HDMI input, 2 x SCART (1 x RGB-compatible), YUV input (Progressive Scan). Super Woofer System. Dimensions: approx. 80.6 x 64.4 x 11.2 cm (23.5 cm with pedestal).
Weight: approx. 20 kg.

TP 170 C
system remote control

Cinemo 40

LXW 102-8735 REF

102 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1,200:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI. 2 HDMI inputs for connecting peripheral equipment capable of generating picture format displays with a resolution of 720p or 1080i. 3 x SCART (1 x RGB-compatible), YUV input (Progressive Scan). Super Woofer System SRS TruSurround XT Digital.
Dimensions: approx. 99.8 x 80.5 x 12.8 cm (30.6 cm with pedestal).
Weight: approx. 33.9 kg.

For technical data, see page 58 and 60.
For information on technical highlights, see pages 74 and 75.

The large-format Cinemo LCD TVs with their 117 cm and 102 cm display diagonals provide a cinematic experience for home entertainment events in your living room. The three Cinemos have an exciting look and innovative technical features. A high contrast ratio and superb brightness provide realistic, natural video playback. And with the digital connection options and HD ready standard, these LCD TVs are optimally equipped for the future of digital TV.

Large-format LCD TVs. Simply overwhelming.

Cinemo 46

LXW 117-8735 REF

117 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m². Contrast ratio 1,200:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI. 2 HDMI inputs for connecting peripheral equipment capable of generating picture format displays with a resolution of 720p or 1080i. 3 x SCART (1 x RGB-compatible), YUV input (Progressive Scan). Super Woofer System SRS TruSurround XT Digital.
Dimensions: approx. 114.2 x 90.6 x 12.8 cm (35.5 cm with pedestal).
Weight: approx. 46.2 kg.

TP 170 C
system remote control

Davio 7

LW 18-5701 IDTV

Portable LCD TV with an integrated DVB-T receiver for receiving digital TV stations.
18 cm Active Matrix TFT-LC display.
Resolution: 720 x 576 pixels. DVB-T tuner with MPEG2 standard. Teletext via DVB-T.
EPG (electronic TV guide) via DVB-T. Passive magnet antenna. Built-in lithium-polymer battery for 2 hours playing time.
Dimensions: approx. 22.5 x 12.6 x 2.8 cm.
Weight: approx. 0.6 kg.

More quality.

More pleasure.

Vivance and Davio are characterised by their unique design, comprehensive features, user friendliness and numerous connection options. But that's not all. Their real strengths only become apparent during everyday use. See for yourself.

Vivance 32

LXW 82-6710 REF

81 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 550 cd/m². Contrast ratio 1,200:1. 178° viewing angle (horizontal/vertical). Maximum of 6.5 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI. HDMI input for connecting peripheral equipment capable of generating picture format displays with a 720p or 1080i resolution. 2 x SCART (1 x RGB-compatible), YUV input (Progressive Scan). Dimensions: approx. 82.4 x 62.4 x 10.4 cm (25 cm with pedestal).
Weight: approx. 21 kg.

HD ready HDMI

Davio 20

LCD 51-5700 BS

51 cm Active Matrix TFT-LC display.
Luminance density 460 cd/m². Contrast ratio: 450:1. Integrated teletext. 2 SCART sockets (1 x RGB-compatible), S-Video input, VGA.
Dimensions: approx. 50.4 x 46 x 7.9 cm (19.3 cm with pedestal).
Weight: approx. 8.6 kg.

Davio 15

LCD 38-5700 BS

38 cm Active Matrix TFT-LC display.
Luminance density 400 cd/m².
Contrast ratio: 500:1. Integrated teletext.
1 SCART socket (RGB-compatible), S-Video input, VGA.
Dimensions: approx. 39 x 36 x 9.5 cm (16 cm with pedestal).
Weight: approx. 4.4 kg.

Vivance 37

LXW 94-6710 REF

94 cm Active Matrix TFT-LC display in 16:9 format. Luminance density 500 cd/m².
Contrast ratio 800:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI. HDMI input for connecting peripheral equipment capable of generating picture format displays with a 720p or 1080i resolution.
2 x SCART (1 x RGB-compatible), YUV input (Progressive Scan). Dimensions: approx. 96.2 x 64.9 x 13 cm (26.2 cm with pedestal).
Weight: approx. 30 kg.

HD ready HDMI

TP 170 C
system remote control

For technical data, see page 59, 60 and 61.
For information on technical highlights, see pages 74 and 75.

Understated elegance and clear lines.

Do you want a 4:3 TV or a 16:9? Is that with a 21-, 28-, 29- or 32-inch screen diagonal? With 50 or 100 hertz technology? Or with an integrated DVB-T receiver for receiving digital TV programmes? The variety of our Lenaro range leaves nothing to be desired. The Lenaro 82 and 72 REF are even equipped with Digital Reference Plus technology, which ideally combines high-resolution detail with natural motion. Intelligent signal processing prevents distortion, such as blurring during fast camera pans.

Lenaro 82 Flat

MFW 82-5610 REF

32" (82 cm) Megatron Plus real flat colour picture tube in wide screen 16:9 format (visible picture 76 cm) with an integrated DVB-T receiver for reception of digital TV programmes via indoor or rooftop antenna. Virtual Dolby® Surround with 24 watt audio power. Simultaneously shows picture and teletext on split screen (PAT). Now & Next EPG: Details on the current and forthoming programmes. Teletext with 1024-page memory.
TV dimensions: approx. 80.1 x 58 x 54.3 cm.
Colour: procon silver/black.
Shown on TVS Lenaro 8272 pedestal with additional device.

MEGATRON PLUS

Reference Plus

TP 170 C
system remote control

For technical data, see page 62.
For information on technical highlights, see page 74 and 75.
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See page 28 and 30 for Lenaro TVs with 21- and 28-inch screen diagonals.

Lenaro 72 Flat

MF 72-6510/8 IDTV

29" (72 cm) Megatron real flat colour picture tube in classical 4:3 format (visible picture 68 cm) with an integrated DVB-T receiver for reception of digital TV programmes via indoor or rooftop antenna. 24 watt audio power. Simultaneously shows picture and teletext on split screen (PAT).
Now & Next EPG: Details on the current and forthcoming programmes. Teletext with 1024-page memory.
TV dimensions: approx. 80.1 x 58 x 49.4 cm.
Colour: procon silver/black.
Shown on TVS Lenaro 8272 pedestal with additional device.

MEGATRON

TP 170 C
system remote control

Lenaro 72 Flat

MF 72-5610 REF

29" (72 cm) Megatron real flat colour picture tube in classical 4:3 format (visible picture 68 cm). Reference Plus technology for better pictures. 24 watt audio power. Simultaneously shows picture and teletext on split screen (PAT). Now & Next EPG: Details on the current and forthcoming programmes. Teletext with 1024-page memory.
TV dimensions: approx. 80.1 x 58 x 49.4cm.
Colour: procon silver/black.

MEGATRON

Reference Plus

TP 170 C
system remote control

Variety in technology and design.

Conventional television sets with a diagonal screen size of 70 to 82 cm.

The two models described on the previous page complete the Lenaro range.

These are equipped with some impressive technical features. Naturally they

are all easy to use and are ideally prepared for connecting peripheral components.

ST 70-2003 Text

28" (70 cm) Black Line FX colour picture tube (visible picture 66 cm). Teletext. 20 watt audio power.
Dimensions: approx. 73 x 55 x 45.7 cm.
Colour: procon silver or tessa black.

Lenaro 70

ST 70-5501/8 TOP

28" (70 cm) Black Line FX colour picture tube (visible picture 66 cm). Now & Next EPG: Details on the current and forthcoming programmes. 20 watt audio power.
Dimensions: approx. 72.9 x 55.6 x 45.9 cm.
Colour: procon silver.

Sedance 70

ST 70-2010 Text

28" (70 cm) Black Line FX colour picture tube (visible picture 66 cm). Flicker-free 100-hertz technology. 24 watt audio power.
Dimensions: approx. 73 x 55 x 45.7 cm.
Colour: procon silver or tessa black.

MFW 82-2010/8 TOP

32" (82 cm) real flat colour picture tube in wide screen 16:9 format (visible picture 76 cm). Flicker-free 100-hertz technology. 24 watt audio power. Simultaneously shows picture and teletext on split screen (PAT).
Dimensions: approx. 89 x 54,2 x 55,2 cm.
Colour: procon silver.

For technical data, see page 62 and 63.

Lenaro 55 Flat

MF 55-5501 TOP

55 cm Black Line FX real flat picture tube (visible picture 51 cm). Now & Next EPG: Details on the current and forthcoming programmes.
Dimensions: approx. 61.2 x 45.1 x 47.7 cm.
Colour: procon silver/black.

Impressive TV concepts. Something for everyone.

Televisions in the conventional 4:3 format. These seven televisions have an ingenious concept for providing outstanding picture quality. The slimline picture tube in the Xentia 21 ensures the housing depth is kept to a mere 42 cm – ideal for narrow sideboards and shelving. And both the compact combined TV and DVD players are the most practical, space-saving alternative to separate components. Ideally suited for small flats, as second televisions, or in caravans.

Elegance 21 Flat

TVD 55-2502/5 TOP

TV set with an integrated DVD player. 55 cm Black Line FX real flat picture tube (visible picture 51 cm). Teletext. Playable disc formats*: DVD video, DVD+R/+RW, DVD-R/-RW, Super video CD, video CD (2.0), JPEG CD, audio CD, CD-R and CD-RW in CD-DA and in MP3 formats.
Dimensions: approx. 61 x 46.5 x 52.5 cm.
Colour: procon silver.

For technical data, see page 63.
** For information on self-recorded DVDs and CDs, see page 67.*
For information on technical highlights, see pages 74 and 75.

Davio 21

T 55-4501 Text

55 cm Black Matrix flat picture tube (visible picture 51 cm). Teletext.
Dimensions: approx. 50.8 x 47.8 x 48.6 cm.
Colour: procon silver.

Davio 14

P 37-4501 Text

37 cm Black Matrix flat picture tube (visible picture 34 cm). Teletext.
Dimensions: approx. 37.2 x 35.6 x 36.9 cm.
Colour: procon silver.

Davio 20

T 51-4501 Text

51 cm Black Matrix flat picture tube (visible picture 48 cm). Teletext.
Dimensions: approx. 50.8 x 47.8 x 47.9 cm.
Colour: procon silver.

Davio 14

TVD 37-2502 Text

Compact, portable TV set with an integrated DVD player. 37 cm Black Matrix flat picture tube (visible picture 34 cm). Teletext. Playable disc formats*: DVD video, DVD+R/+RW, DVD-R/-RW, Super video CD, video CD (2.0), JPEG CD, audio CD, CD-R and CD-RW in CD-DA and in MP3 formats.
Dimensions: approx. 39.5 x 39.5 x 40 cm.
Colour: procon silver.

Xentia 21

MFS 55-4701/8 TOP

55 cm real flat picture tube (visible picture 51 cm). The housing is less than 42 cm deep. Now & Next EPG: Details on running and forthcoming programmes.
Dimensions: approx. 62 x 45.5 x 41.8 cm.
Colour: procon silver.

Slimtube TV

Receivers for digital satellite reception.

The future of television is digital, and offers the right programmes for every viewer. Grundig DVB receivers allow you to receive hundreds of TV and radio stations in excellent picture and sound quality. A wide range of additional programme information adds an extra dimension to television. Many TV and radio stations already broadcast digitally via the ASTRA and EUTELSAT satellites and their numbers are growing every day. Two of our DVB-S receivers with hard discs and time shift functions are equipped to record TV programmes and watch them with a delay.

DSR 4530 HDD

Combined hard disc recorder and digital TV receiver (DVB-S). This is because the double access option allows you to record a station and at the same time watch the contents of the hard disc. The time shift function lets you the "stop" the TV programme, record it and then play it back later. Hard disc capacity: 80 GB. 4000 presets. SI based EPG: Channel list with accompanying information; programme guide for several days. Software download via satellite Digital audio output for AV receiver. RS 232 interface. 8-character, alphanumeric display.
Colour: procon silver.

TIME SHIFT OTR

DSR 2530

Digital TV receiver (DVB-S) for receiving free unencoded stations. 4000 presets.
SI based EPG: Channel list with accompanying information; programme guide for several days. Software download via satellite. Digital audio output for AV receiver. RS 232 interface. 8-character, alphanumeric display.
Colour: procon silver.

DSR 1650-2 Micro

The DSR 1650-2 is directly controlled by the DIGI 200 chassis with a special data bus line. Installation is easy and done in a matter of seconds via the Easy Dialog menu.

Mini digital TV receivers (DVB-S) for receiving free unencoded TV and radio programmes. You can plug this tiny 10 x 2.5 x 7.5 cm unit directly into the SCART socket in your television. 2000 presets. SI based EPG: Channel list with accompanying information; programme guide for several days. You can download software via satellite. 12 V connection for using in a caravan or a camper van.

For the Grundig TV equipped with the DSR 1650-2 micro you only need one remote control. Either the TP 766 S system remote control for the mini satellite receiver which can also control Grundig TVs and Grundig DVD players or a system remote control from an existing Grundig TV.

Basically, the DSR 1650-2 micro is an external receiver for an IDTV television. You can plug it directly into the SCART socket on the television or a DVD recorder and it is hardly visible to the viewer. Only the cable connecting the infrared receiver for the remote control hints at the existence of another device.

For technical data, see page 64.
For information on technical highlights, see page 74 and 75.

DVB-T.
Digital television via antenna.

The digital television via antenna (DVB-T: Digital Video Broadcasting-Terrestial) offers more stations in better picture and sound quality, without cable or satellite. All the video and audio signals are compressed using the MPEG2 process and transmitted as a whole data package. This means up to four TV stations can be bundled on a single TV channel. When they are received, the decoder converts the signals back to a format suitable for conventional televisions. You can still use your existing rooftop antenna. In urban areas, reception is even possible using a small rod antenna. Besides the decoder and room antenna there are no further costs for receiving unencoded terrestial stations.

When connecting to a Grundig LCD TV with the DIGI 200 chassis, the DTR 1560-2 is directly controlled by the high-end chassis with a special data bus line.

DTR 4540 HDD

TIME SHIFT

Combined hard disc recorder and digital TV receiver (DVB-T) for receiving digital TV and radio stations via a rooftop or indoor antenna in one appliance. The double access option allows you to record a station and at the same time watch the content of the hard disc. The time shift function lets you the "stop" the TV programme, record it and then play it back later. Hard disc capacity: 80 GB. 1000 presets. SI based EPG: Channel list with accompanying information; programme guide for several days. 5 V power supply for active antennas. Software download via antenna. Digital audio output for AV receiver. RS 232 interface. 8-character, alphanumeric display. Colour: procon silver.

DTR 2540

Digital TV receiver (DVB-T) for receiving digital TV and radio stations via a rooftop or indoor antenna. 1000 presets. SI based EPG: Channel list with accompanying information; programme guide for several days. 5 V power supply for active antennas. Software download via antenna. Digital audio output for AV receiver. RS 232 interface. 8-character, alphanumeric display. Colour: procon silver.

DTR 1560-2 Micro

Mini digital TV receiver (DVB-T) for receiving digital TV and radio stations via a rooftop or indoor antenna. You can plug this tiny 10 x 2.5 x 7.5 cm unit directly into the SCART socket on your television. 4000 presets. SI based EPG: Channel list with accompanying information; programme guide for several days. 5 V power supply for active antennas. 12 V connection for using in a caravan or a camper van.

Basically, the DTR 1560-2 micro is an external receiver for an IDTV television. You can plug it directly into the SCART socket on the television or a DVD recorder and it is hardly visible to the viewer. Only the cable connecting the infrared receiver for the remote control hints at the existence of another device.

For technical data, see page 64.
For information on technical highlights, see page 74 and 75.

GDR 5550 HDD

A hard disk recorder with a capacity of 160 GB and a DVD recorder for DVD+R, DVD+RW, DVD-R and DVD-RW formats in one appliance. Extremely quiet hard disc and "quiet mode" without fan operation. Playable disc formats*: DVD video, DVD+R/+RW, DVD-R/-RW, DivX DVD, JPEG-DVD, DivX CD, Super video CD, video CD (2.0), JPEG CD, Kodak picture CD, audio CD, CD-R and CD-RW in CD-DA, WMA and MP3 formats. Front panel USB port for copy function USB – DVD. Further copy function: hard disk – DVD. DV (i-link) input. YUV jacks to display full pictures in progressive scan format. Digital audio output (optical and coaxial). Housing colour: silver.

GDR 5550 HDD and GDRH 5625 have an USB interface in the front panel for simple connection to mobile data carriers such as MP3 sticks or personal media players, as well as a DV (i Link) video and cinch audio video input for simple connection to a digital camera or camcorder.

YesDVD is integrated in the GDR 5550 HDD and is intelligent software (Version 1.0) for the extremely simple, uncomplicated creation of videos on DVD-R/-RW with sections and menu structures, just like the professional DVDs you already know. In this way you can easily store your videos or DV-videos on DVD without using a PC. By pressing just one button on the remote control the GDR 5550 HDD with its integrated YesDVD software can do the following:

- **Make automatic sections:**
  The GDR 5550 HDD analyses the incoming video automatically and inserts logical points which mark the scene sections.
- **Create a picture menu:**
  Scenes are displayed in the menu with the first picture of each section. This enables you to search quickly and target individual scenes easily.
- **Make short videos with accompanying music:**
  The GDR 5550 HDD selects highlights from the whole video and synchronises the sequences to rock, jazz or classical music.
- **Print DVD covers:**
  Put the YesDVDs made in the GDR 5550 HDD into a PC to print an attractive cover for your DVD.

For technical data, see page 66.
** For information on self-recorded DVDs and CDs, see page 67.*
For information on technical highlights, see page 74 and 75.

Easy recording with Grundig hard disk DVD recorders.

Impressive recording quality and outstanding user convenience characterise these two hard disk recorders. The permanently activated time-shift function allows delayed television viewing anytime. And the integrated YesDVD software enables you to create videos on DVDs with sections and menu structures automatically just like the professional DVDs, all in an extremely easy and uncomplicated way.

The user-friendly connection options on the front panel are also worth mentioning, namely the USB interface, DV (i-link) and RCA AV input.

The YesDVD software version 1.51 installed on the GDRH 5625 offers the following convenient features in addition to those available in version 1.0:

- **YesDVD video creation on the 250 GB hard disk:**
  YesDVD video creation is now also possible on DVD+R/+RW and on the hard disk of the GDRH 5625.
- **Covers in a jewel case format:**
  In addition to covers for normal DVD covers, you can also print out attractive covers in a jewel case format.

YESDVD
You can upgrade your YesDVD features with YesDVD BoosterPack. New features may include high quality music or other DVD menu themes. Learn more at www.yesdvd.com.
OK

- **Creation of YesDVDs with multiple videos on it:**
  You can record a DVD with multiple YesDVD sequences.
- **AC3 music files from the internet:**
  You can download high-quality music files (AC3) from the Internet for free.

GDRH 5625

Hard disk recorder with 250 GB storage capacity and a DVD recorder for the formats DVD+R, DVD+RW, DVD-R and DVD-RW in a single device. YesDVD software version 1.51 is installed. Playable disc formats*: DVD video, DVD+R/+RW, DVD-R/-RW, DivX-DVD, JPEG DVD, DivX CD, Super video CD, video CD (2.0), JPEG CD, Kodak picture CD, audio CD, CD-R and CD-RW in CD-DA, WMA and MP3 format. Jukebox for media data, in other words MP3, WMA, JPEG and DivX files can be managed on the hard disk. The HDD to DVD copying function with high speed dubbing (4x) and fit-to-disc features (realtime). Time-shift is possible during ongoing time recordings. The time-shift buffer can be set to a maximum of 6 hours. Housing colour: black.

DVD-P 7600

Portable DVD player with 7" (17.7 cm) LCD-TFT display in 16:9 format. Anti-shock system and built-in stereo speaker. Plays DVD video, DVD+R/RW, DVD-R/RW, DivX DVD, JPEG DVD, DivX CD, Video CD, JPEG CD, Kodak picture CD, audio CD, CD-R/RW in CD-DA and in MP3 format*. Mains or battery operation. Dimensions: approx. 19 x 3.6 x 15.1 cm. Colour: silver. Protective carry bag provided.

GDP 2750

DVD player in 43 cm format. Playable disc formats*: DVD video, DVD+R/RW, DVD-R/RW, Nero Digital DVD, DivX DVD, JPEG DVD, Nero Digital CD, DivX CD, Super video CD, video CD (2.0), JPEG CD, Kodak picture CD, audio CD, CD-R and CD-RW in CD-DA, WMA and MP3 formats. Surround Sound for surround sound without additional speakers. Digital output (optical and coaxial): Dolby® Digital AC-3, MPEG 2, DTS (Digital Theater System), PCM. YUV sockets for the output of full pictures in Progressive Scan format. Easy operation via OSD. TP 81 D system remote control, which can be used for the basic functions of Grundig TVs. Housing colours: silver or black.

GDP 1550

DVD player in 43 cm format. Playable disc formats*: DVD video, DVD+R/RW, DVD-R/RW, JPEG DVD, Super video CD, video CD (2.0), JPEG CD, Kodak picture CD, audio CD, CD-R and CD-RW in CD-DA, WMA and MP3 formats. Digital audio output (optical and coaxial). Easy operation via OSD. TP 81 D system remote control, which can be used for the basic functions of Grundig TVs. Housing colour: silver.

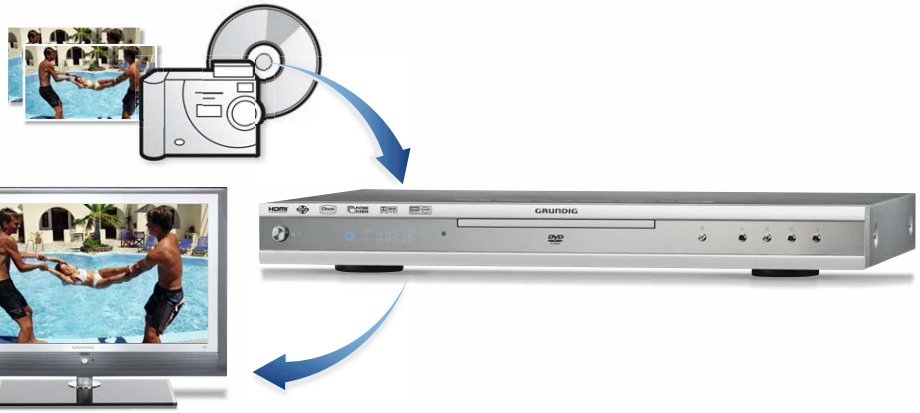
For technical data, see page 66 and 67.
** For information on self-recorded DVDs and CDs, see page 67.*
For information on technical highlights, see page 74 and 75.
® Registered trademark of Dolby Laboratories Licensing Corporation.

The medium for perfect entertainment. DVD.

The new Grundig DVD players are characterised by easy operation and elegant slimline housings. They form the centrepiece of any home entertainment system and can play many different DVD and CD formats. With the new, portable Grundig DVD player, you can even enjoy your silver discs outside your home. Now you can watch your favourite films on DVD anywhere you like. You can also show your digital photo archive anywhere in the world.

DVD-P 8600

Portable DVD player with a slot-in drive and 8" (20.3 cm) LCD-TFT display in 16:9 format. Anti-shock system and built-in stereo speaker. Plays DVD video, DVD+R/RW, DVD-R/RW, Nero Digital DVD, DivX DVD, JPEG DVD, Nero Digital CD, DivX CD, Video CD, JPEG CD, Kodak picture CD, audio CD, CD-R/RW in CD-DA and in MP3 format*. USB port for direct connection to a digital camera and SD card reader and e-port for an external DVB-T module. Mains or battery operation. Dimensions: approx. 22.6 x 4 x 16.6 cm. Colour: silver. Protective carry bag provided.



Crisp, sharp holiday pictures in HD JPEG format (2 MB; 1920x1080) on a full HD screen loaded from the DVD player GDP 3560.

GDP 3560

DVD player with an exclusive aluminium front panel and HDMI output for digital picture and audio output. Picture format with a resolution of 576p, 720p or 1080i and HD-JPEG (up to 2 MB picture files, 1920 x 1080). Audio formats: PCM and compressed audio. Playable disc formats*: DVD video, DVD+R/RW, DVD-R/RW, Nero Digital DVD, DivX DVD, JPEG DVD, Nero Digital CD, DivX CD, Super video CD, video CD (2.0), JPEG CD, Kodak picture CD, audio CD, CD-R and CD-RW in CD-DA, WMA and MP3 formats. YUV sockets for output of full pictures in progressive scan format (improved picture quality when connected to high-quality LCD television or to a projector). Surround Sound for surround sound without additional speakers. Digital audio output (optical and coaxial). Easy operation via OSD. Housing colour: silver.

You can display your Ovation 2 on the wall as well as in an eye-catching way on an elegant, tall pedestal. The pedestal is available as an accessory at your dealer.

Ovation 2 CDS 7000 DEC

90 WATT PMPO

Micro CD unit in premium design with mirrored front panel. Magic Fidelity sound concept with 90 watt PMPO. CD player which can also play CD-R/RW in CD-DA and MP3 format*. RDS tuner unit with 40 presets. 75 Ohm antenna connection. USB connection for playing music data from an MP3 player. Extravagent, round remote control and wall bracket supplied. Housing colour: silver.

For technical data, see page 68.

* *For information on self-recorded DVDs and CDs, see page 70.*
For information on technical highlights, see page 74 and 75.

Magic Fidelity. The sound concept from Ovation 2.

Small space, big sound. Magic Fidelity – the magical sound concept made by Grundig. Music fills the room from the radio or CD.

Enjoy an unbelievable dynamic sound and an astounding performance you would usually expect from large, complex loudspeaker systems. This is achieved by a special loudspeaker configuration for optimum power and excellent sound. A bass loud speaker as well as two medium and treble loudspeakers, each in their own casing with their own amplifiers are built into the Micro Ovation 2 micro system.

The compact size of Magic Fidelity makes the extravagant design of the Ovation 2 possible, giving it an impressive sound which perfectly matches this eye-catching model. And via the USB port on the Ovation 2, you can even enjoy the music from your MP3 player with this sound quality.

You can even hang the Ovation 2 on the wall like a picture. To do this, the stand is easily removable. A wall bracket is supplied.

On the bottom of the extravagant, round remote control there is a small weight so that it automatically stands up when you put it down.

Small space, big sound.

What you hear is a large hi-fi system whose lavish loudspeaker systems fill the room with sound. What you see is the compact Ovation micro-system which does not even need separate loudspeakers. The secret of this miracle of sound is Grundig's Magic Fidelity sound concept. Three loudspeakers, stored in their own housing and each with its own amplifier, provide volume and brilliance. The Ovation is an optical winner as well. The aluminium front panel makes it an eye-catching jewel for any living room.

The elegance of the Ovation catches the eye in every room and blends into any contemporary home.

magic fidelity

The display lighting of the Ovation can be set in eight different colours and in two different brightness levels.
A dimmer function acts automatically within the brightness levels according to the surrounding light.

Ovation CDS 6580 SPCD

80 WATT PMPO

A micro CD unit with the unique Magic Fidelity sound concept. Music pleasure without additional loudspeakers with 80 watt PMPO.
CD player which can also play CD-R/RWs in CD-DA and MP3 format*. RDS tuner unit and remote control. Digital equalizer with five pre-programmed settings. 75 Ohm anntena connection. AUX input for connecting a PC, a notebook or MP3 player. Backlight can be set in eight different colours. Aluminium front panel. Housing colour: graphite-metallic/silver.

For technical data, see page 68.
** For information on self-recorded DVDs and CDs, see page 70.*
For information on technical highlights, see page 74 and 75.

Vertiga UMS 4600 DEC

65 WATT PMPO

Micro system with USB connection and SD/MMC card slots. 65 W PMPO. CD player which can also play CD-R/RWs in CD-DA and MP3 format*. Motor-driven CD compartment cover. RDS tuner unit with 40 presets. 3-way bass reflex loudspeakers. Remote control. Digital Equalizer with five pre-programmed settings. Housing colour: graphite.

On the front of the appliance, behind a cover panel, is a USB port and SD/MMC slot for playing music data from cards and an MP3 player.

Varixx UMS 4810 SPCD

60 WATT PMPO

The imaginatively designed micro system with 60 W PMPO. FM/MW tuner. CD player which can also play CD-R/RWs in CD-DA and MP3 format*. Motor-driven CD compartment cover with automatic opening and closing through a hand movement detected by a sensor. Two loudspeakers and remote control. Continuously variable display colour setting. Housing colour: black.

PSW 5000

360° surround sound system with cordless signal transmission for inside and outside. The transmitter can be connected to any i-fi with a line cable and transmits music signals cordlessly to loudspeakers with two 2-way loudspeakers and 20 W audio power. The plastic housing means it is protected from splashing water and can be used outdoors. You can connect CD portables or MP3 players directly to the loudspeakers with a line input.
Housing colour: white/green.

Micro systems with a certain something.

Excellent sound is not a question of size, but of quality. That's why Grundig's micro systems only feature the best and most powerful technology. With the powerful Cirflexx and Vertiga you can not only listen to your favourite music from the radio or MP3 CD player, but also via the built-in USB port and card reader. So you can play your digitally stored favourites from the MP3 player or memory card on these micro systems as well. With the PSW 5000 cordless outdoor loudspeakers you can even enjoy this sound in your garden.

Play music data from cards and MP3 players via Cirflexx. A USB port and an SD/MMC slot are located on the top of the micro system.

Cirflexx UMS 5400 DEC

100 WATT PMPO

Micro system with USB connection and SD/MMC card slots. 100 W PMPO. CD player with a motorised CD compartment cover which can also play CD-R/RWs in CD-DA and MP3 format*. RDS tuner unit with 40 presets. Two loudspeakers. Remote control. Digital equalizer with five pre-programmed settings. Backlight can be set in eight different colours.
Housing colour: black.

For technical data, see page 68.
** For information on self-recorded CDs, see page 70.*
For information on technical highlights, see page 74 and 75.

CDP 5100 SPCD

Portable CD player which can play CD-R/RW in CD-DA and MP3 format*. 40-second digital anti-shock system for audio CDs and 120 seconds for MP3 CDs. Digital equalizer with five pre-programmed settings. Ultra Bass System.
Housing colour: procon silver/orange.

MPaxx 702 FM/1GB

Technically and visually identical to the MPaxx 701/1GB. Is also equipped with a stereo FM radio and memory for storing 30 radio stations.

MPaxx 701/1GB

Digital music player for playing MP3, WMA and WAV files. Integrated 1 GB flash memory for 18 hours (128 kbit/sec.) of uninterrupted listening pleasure. Easy to read LCD display. Title, performer and folder information is displayed. Back-lit buttons in royal blue. WMA DRM 10 function for playing music files purchased from the Internet. Data memory and dictation function. USB 2.0 high speed direct connection without the use of a cable. Power-saving automated shutdown function. Housing colour: cherry red.

MPaxx 703/2GB

Digital music player for the playback of MP3, WMA and WAV files. Integrated 2 GB flash memory for 36 hours (128 kbit/sec.) of uninterrupted listening pleasure. Easy to read LCD display. Title, performer and folder information is displayed. Back-lit buttons in royal blue. WMA DRM 10 function for playing music files purchased from the Internet. Data memory and dictation function. USB 2.0 high speed direct connection without the use of a cable. Power-saving automated shutdown function. Housing colour: black.

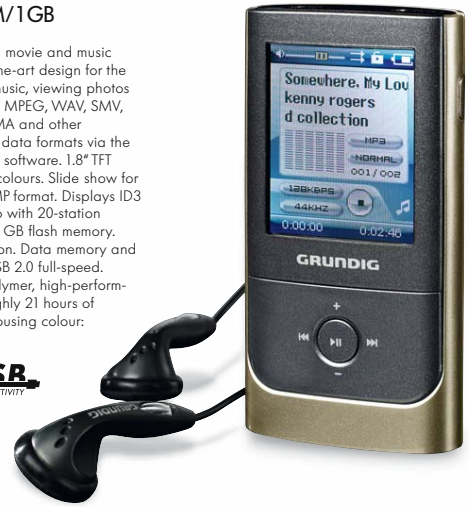
MPaxx 704 FM/2GB

Technically and visually identical to the MPaxx 703/2GB. Is also equipped with a stereo FM radio and memory for storing 30 radio stations.

For technical data, see page 69.
**For information on self-recorded CDs, see page 70.*
For information on technical highlights, see page 74 and 75.

MPixx 2001 FM/1GB

Ultra-compact digital movie and music player in a state-of-the-art design for the playback of digital music, viewing photos and videos. Supports MPEG, WAV, SMV, JPEG, BMP, MP3, WMA and other commonly employed data formats via the supplied transcoding software. 1.8" TFT display with 65,000 colours. Slide show for pictures in JPEG / BMP format. Displays ID3 tags. Stereo FM radio with 20-station memory. Integrated 1 GB flash memory. WMA DRM 10 function. Data memory and dictation function. USB 2.0 full-speed. Integrated lithium-polymer, high-performance battery for roughly 21 hours of listening pleasure. Housing colour: cool sand/cool titan.



Music. Any time, any place.

Waiting for the bus, on the train, strolling through the city, jogging in the park, relaxing at the pool, skating ... there are lot of situations where music is a pleasant way to while away the time. Of course, the players have to be small, light and easy to store, must be intuitive to use and – most importantly – provide excellent sound quality. In other words, they need everything that makes the Grundig Audio Portables stand out.

MPixx 2002 FM/2GB

Technically identical to the MPixx 2001 FM/1GB; but equipped with an integrated 2 GB flash memory.
Housing colour: arta silver/cool titan.

www.grundig.com

Here you can find information on our current MP3 player program.

Ultramodern audio portables in an eye-catching outfit.

Our latest CD radios with an extravagantly rounded and soft design – no sharp edges. It goes without saying that the integrated CD player can also play MP3 CDs and the digital equalizer can be used to set the sound performance played through the high-capacity loudspeakers to suit the style of music. And with the USB connection or SD/MMC slot, the Beezz 6800 is all set to play your own music mix for an all-night party. In fact, you can just let it take care of the details. Unless, of course, you want to occasionally turn up the volume – by remote control, of course.

RRCD 3400 MP3

This CD radio recorder can play CD-Rs/CD-RWs in CD-DA and MP3 formats*.
CD capacity in MP3 format: Up to 250 tracks, i.e. up to 11 hours playing time.
20-track memory. Ultra Bass System.
Housing colour: silver.

Beezz

RCD 6800 A DEC

CD radio in eye-catching design with USB port and SD/MMC slot for playing music data from corresponding cards, and personal media or MP3 players. PLL synthesizer tuner with 30-station memory. CD-player with CD-R/RW read capability in CD-DA MP3 and WMA format*. Digital equalizer with five pre-programmed settings. Remote control for main functions.
Housing colour: black/charcoal.

Shown with MP3 player MPaxx MP 420/256 MB and SD card (neither supplied).

RRCD 1300

CD radio recorder with a CD player which can also play CD-R/RWs in CD-DA format.
20-track memory. Ultra Bass System.
Housing colour: silver/vero.

RCD 1410

A small, light and easy-to-handle radio with a CD player and a very distinctive design. PLL synthesizer tuner with 20-station memory. CD player with CD-R/CD-RW read capability in CD-DA format* and 20-track memory. Ultra Bass System.
Housing colour: white.

RRCD 2420 MP3

Smaller and lighter CD radio recorder with PLL synthesizer tuner and 20-station memory. CD player with CD-R/CD-RW read capability in CD-DA and in MP3 format*. 20-track memory. Ultra Bass System. Remote control for main functions.
Housing colour: silver/vero.

RCD 1420 MP3

A small, light and easy-to-handle radio with a CD player and a very distinctive design. PLL synthesizer tuner with 20-station memory. CD player with CD-R/CD-RW read capability in CD-DA and in MP3 format*. 20-track memory. Ultra Bass System.
Housing colour: silver.

For technical data, see page 70.
** For information on self-recorded CDs, see page 70.*
For notes on technical highlights, see page 74 and 75.

Yacht Boy 10

Features include 9 x SW from 3.90 to 21.85 MHz. The silver coloured housing measures 15 x 8.5 x 3.4 cm and weighs just 250 g (without batteries). Genuine leather protective case supplied.

Yacht Boy 50

World receiver with 7 x SW from 5.90 to 17.90 MHz. 2 universal time settings. Multifunctional LC display. Timer functions. Dimensions 12.8 x 8.7 x 3.3 cm and weighs 270 g (without batteries). Housing colour: silver. Genuine leather protective case supplied.

Yacht Boy 2000

Silver coloured world receiver. Frequencies and SW bands can be keyed in directly. 2 universal time settings. It measures 14.2 x 9.2 x 3.5 cm and weighs just 330 g (without batteries).

Your direct link home. Grundig world receivers are the ideal travel companions.

Thanks to their handy shape, small size and light weight, they fit in any bag.

Or simply bring the whole world to you on short wave, Discover the world ...

with Grundig world receivers.

The world in your home: Grundig short-wave radios.

Yacht Boy 80

Silver coloured world receiver with AM double super technology. 14 x SW from 1.70 to 29.90 MHz. Frequencies and SW bands can be keyed in directly. Single band reception (SSB). PLL frequency synthesiser. It measures just 18.4 x 12 x 4 cm and weighs only 510 g (without batteries). Genuine leather protective case and earphones supplied.

Grundig Yacht Boys are supplied with an attractive leather protective casing.

For technical data, see page 71.

Portable radios for at home and on the road.

Great devices for great reception. For entertainment at home or as a portable pocket radio. These Grundigs always impress with their logical features, clear reception, great sound from excellent speakers, their high quality and their ease of operation.

Music Boy 71

A FM/RDS radio with MW, LW and SW reception. PLL frequency synthesizer and 10-station memory per frequency band (40 in total). Illuminated multi-function LC display with weekday display. RDS time synchronisation. Alarm and timer functions.
Dimensions: 26 x 15 x 7 cm.
Housing colour: liqua blue/silver.

Music Boy 70

Elegantly designed radio for FM, MW, LW and SW (5.80 – 6.40 MHz and 6.80 – 18.50 MHz) reception.
Dimensions: 26 x 15 x 7 cm.
Housing colour: vero/silver.

Music Boy 51

FM radio with PLL frequency synthesizer and 10-station memory. Timer functions.
Mains and battery operation.
Housing colour: silver.

Music Boy 50

Radio for FM, MW and SW (5.8 to 18.5 MHz) reception.
Mains and battery operation.
Housing colour: silver.

City Boy 31

Weighs only 170 g, battery operated FM/MW radio in silver.

Micro Boy 60

Chrome coloured pocket radio with tuner unit for FM and MW reception. Ultra Bass System. Earphones supplied.
Housing colour: como/silver.

Mini Boy 62

Small, compact radio for when you are on the go. PLL synthesizer tuner with 10-station memory. Only 90 g (without batteries). Earphones supplied.
Housing colour: silver/como.

For technical data, see page 71.

Start the day in a good mood. Grundig clock radios make getting up so much easier. And wherever they are in the house, they give you the current time and great entertainment with all the radio functions.
The unique design and appearance is particularly impressive as you can see.
As we said – it is more than just an alarm clock.

More than just an alarm clock.

Sonoclock 760

FM clock radio with time setting to the second by means of the DCF-77 atomic clock station. Has an exceptional housing design with a large, easily legible time display. 2 adjustable alarm times. Includes automatic sleep time function which is programmable up to 119 minutes. Colour: silber/titanium.

Sonoclock 360

FM/MW clock radio with an automatic sleep timer function (up to 119 minutes). Snooze function in nine minute intervals. Housing colour: silver/titan.

Sonoclock 560

A compact, cubiform FM/MW clock radio with an automatic sleep timer function (up to 119 minutes). Snooze function in nine minute intervals. Large, easy-to-read time display with 2-way brightness control. Housing colour: silver/titan.

Sonoclock 660

FM RDS clock radio with 20-station memory. Automatic current time by RDS-CT signal. Weekend cancellation function for switching off wake-up settings on weekends. 2 adjustable alarm times. Dynamically increasing alarm volume. 8 different colour settings for the display lighting at the touch of a button. Housing colour: silver/titanium.

For technical data, see page 72.

Grundig Discalo clock radio. Because they let you choose what music you wake up to. Thanks to the CD player, SD/MMC slot and USB port, you can be woken up by your favourite music with a CD, memory card or an MP3 player.
Grundig kitchen radios with modern designs in classical white or with a solid aluminium front cover. Whether you put these sonoclocks on a worktop or under a cupboard, they are an optical highlight in every tastefully decorated kitchen.

Grundig clock radios.
Variety for every purpose.

Discalo CCD 6800 DEC

Stereo clock radio for FM/MW reception with USB port and SD/MMC slot for playing music data from corresponding cards, and personal media or MP3 players. CD player which can also play CD-R/RWs in CD-DA, MP3 and WMA format*. 30-station memory. 2 adjustable alarm times. Wake up with music from CD, radio or alarm signal.
Headphone connection.
Housing colour: charcoal/silver.

Shown with MP3 player MPaxx MP 420/256 MB and SD card (neither supplied).

Sonoclock 690 and Sonoclock 890 are supplied with accessories for mounting under a kitchen cupboard.

Sonoclock 690

This white FM kitchen radio with PLL frequency synthesizer and 10-station memory is designed for mounting under kitchen cupboards. Forward or reverse clock setting. Timer (kitchen timer or short time alarm) can be set up to 300 minutes. Dynamically increasing alarm volume.

Sonoclock 890

Clock radio with solid, high quality aluminium front cover. RDS for FM reception.
10-station memory. Current time set automatically with RDS-CT.
Timer setting up to 300 minutes. Dynamically increasing alarm volume.

For technical data, see page 72.
** For information on self-recorded CDs, see page 70.*
For notes on technical highlights, see page 74 and 75.

LCD TELEVISION SETS	Cinemo 46 LXW 117-8735 REF	Fine Arts 42 LXW 110-9650 FHD	Lenaro 42 LXW 110-8640 FHD	Lenaro 40 LXW 102-8720 Dolby	Cinemo 40 LXW 102-8735 REF	Fine Arts 37 LXW 94-9650 FHD
Catalogue page	23	13	16	19	22	12
Picture						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	46	42	42	40	40	37
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	8	5	5	6	8	8
Brightness approx. cd/m²	500	500	500	500	500	500
Contrast ratio approx.	1200 : 1	2600 : 1	2600 : 1	1500 : 1	1200 : 1	2600 : 1 (dynamic)
Viewing angle approx.	178° vertical, 178° horizontal	178° vertical, 178° horizontal	178° vertical, 178° horizontl	178° vertical, 178° horizontal	178° vertical, 178° horizontal	176° vertical, 176° horizontal
Resolution RGB pixel	WXGA 1366 x 768	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)	WXGA 1366 x 768	WXGA 1366 x 768	WUXGA 1920 x 1080 (full HD)
Digital Reference Plus II technology	–	•	•	–	–	•
Motion Compensation	–	•	•	–	–	•
10-bit technology	–	•	•	–	–	•
Perfect Clear	–	•	•	–	–	•
HD ready	•	•	•	•	•	•
Increased colour contrast (DCTI)	•	•	•	•	•	•
Picture definition storable / comb filter	•/• (3-D)	•/• (3-D)	•/• (3-D)	•/• (3-D)	•/• (3-D)	•/• (3-D)
Integrated DVB-T receiver						
Digital TV reception via house- or room antenna	–	–	–	–	–	–
Electronics						
Easy Dialog / intelligent user concept	–/•	•/•	•/•	–/•	–/•	•/•
Automatic tuning system	•	•	•	•	•	•
Picture-in-picture	1-tuner PIP	1-tuner AV-PIP	1-tuner AV-PIP	2-tuner PIP	1-tuner PIP	1-tuner AV-PIP
PAP - splitted screen (picture / picture)	• (via AV)	–	–	•	• (via AV)	–
PAT - splitted screen (picture / text)	–	•	•	•	–	•
Programme memory TV / AV	99 / 8	99 / 7	99 / 7	99 / 8	99 / 8	99 / 7
Videotext / memory	• / 1000	• (level 2.5) / 2000	• (level 2.5) / 2000	• / 1200	• / 1000	• (level 2.5) / 2000
TV standards	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	Tele-Pilot® 170 C	Personal Remote 100	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Personal Remote 100
Sound						
Music / nominal output approx. W	2-channel 25 / 12.5	3-channel 40 / 24	3-channel 40 / 24	2-channel 20 / 10	2-channel 20 / 10	3-channel 40 / 24
Magic Fidelity / Virtual Dolby Surround	–	•/•	•/•	–/•	–	•/•
Headphones volume separately adjustable	–	•	•	•	–	•
Headphones tone channel selection for 2-tone reception	–	•	•	•	–	•
Loudspeakers	Super Woofer System SRS TruSurround XT Digital	2 high-middle + 2 bass	2 high-middle + 2 bass	2 wide band + 2 tweeter, front	Super Woofer System SRS TruSurround XT Digital	2 high-middle + 1 bass
Connections / sockets						
HDMI	2x	2x (1x via DVI-HDMI adaptor)	2x (1x via DVI-HDMI adaptor)	2x	2x	2x (1x via DVI-HDMI adapter)
DVI	–	• DVI-I	• DVI-I	–	–	• DVI-I
HDCP	• (via HDMI)	• (via HDMI / DVI)	• (via HDMI / DVI)	• (via HDMI)	• (via HDMI)	• (via HDMI / DVI)
Euro-AV socket / RGB and S-video suitable	3x / 1x RGB	2x / 2x RGB	2x / 2x RGB	2x / 1x RGB	3x / 1x RGB	2x / 2x RGB
YUV sockets	2x (3x Cinch video, 2x Cinch audio; lateral and rear)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	2x (3x Cinch video, 2x Cinch audio; lateral and rear)	• (3x Cinch video, 2x Cinch audio)
S-video input (hosiden)	• (lateral)	•	• (lateral)	• (lateral)	• (lateral)	•
Cinch-AV sockets	• (lateral)	•	• (lateral)	• (lateral)	• (lateral)	•
VGA interface for PC	• (Multisync WXGA)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA)	• (Multisync WXGA)	• (Multisync WXGA via DVI-I)
SPDIF out	•	• (optical)	• (optical)	–	–	• (optical)
Headphones socket (Ø 3,5 mm)	–	•	•	• (lateral)	–	•
Common interface (CA modules)	–	–	–	–	–	–
Mains unit						
Voltage (regulated), frequency 50/60 Hz V~	100 – 240	230	230	100 – 240	100 – 240	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	280 / < 3	230 / < 2	230 / <2	240 / < 2	240 / < 3	171 / < 2
Weight approx. kg	46.2	41	34.1	31.1	33.9	32.8
Dimensions (W x H x D) approx. cm	114.2 x 90.6 x 12.3 (35.5 with pedestal)	111.5 x 81.1 x 12.5 (30.5 with pedestal)	108.2 x 80.7 x 12.3 (33 with pedestal)	108.2 x 80.7 x 12.3 (33 with pedestal)	99.8 x 80.5 x 12.3 (30.6 with pedestal)	98.5 x 73.3 x 11.3 (30 with pedestal)

Technical data supplied without liability.

LCD TELEVISION SETS	Tharus 37 LXW 94-9745 FHD	Lenaro 37 LXW 94-8640 FHD	Lenaro 37 LXW 94-7731 IDTV	Lenaro 37 LXW 94-8720 Dolby	Vivance 37 LXW 94-6710 REF	Vision+ 32 LXW 82-9740 Dolby
Catalogue page	12	17	21	18	25	14/15
Picture						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	37	37	37	37	37	32
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	8	8	8	5	8	8
Brightness approx. cd/m²	500	500	500	500	500	500
Contrast ratio approx.	2600 : 1 (dynamic)	2600 : 1 (dynamic)	800 : 1	1000 : 1	800 : 1	1000 : 1
Viewing angle approx.	176° vertical, 176° horizontal	176° vertical, 176° horizontal	178° vertical, 178° horizontl	178° vertical, 178° horizontal	178° vertical, 178° horizontal	178° vertical, 178° horizontal
Resolution RGB pixel	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Digital Reference Plus II technology	•	•	–	–	–	•
Motion Compensation	•	•	–	–	–	•
10-bit technology	•	•	–	–	–	•
Perfect Clear	•	•	–	–	–	•
HD ready	•	•	•	•	•	•
Increased colour contrast (DCTI)	•	•	•	•	•	•
Picture definition storable / comb filter	•/• (3-D)	•/• (3-D)	•/•	•/• (3-D)	•/•	•/• (3-D)
Integrated DVB-T receiver						
Digital TV reception via house- or room antenna	–	–	•	–	–	–
Electronics						
Easy Dialog / intelligent user concept	•/•	•/•	–/•	–/•	–/•	•/•
Automatic tuning system	•	•	•	•	•	•
Picture-in-picture	1-tuner AV-PIP	1-tuner AV-PIP	1-tuner PIP	2-tuner PIP	1-tuner PIP	1-tuner AV-PIP
PAP - splitted screen (picture / picture)	–	–	• (via AV)	•	• (via AV)	–
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	99 / 7	99 / 7	100 (899 DVB-T) / 7	99 / 8	100 / 7	99 / 7
Videotext / memory	• (level 2.5) / 2000	• (level 2.5) / 2000	• / 250	• / 1200	• / 250	• (level 2.5) / 2000
TV standards	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM, via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C
Sound						
Music / nominal output approx. W	3-channel 40 / 24	3-channel 40 / 24	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	3-channel 40 / 22
Magic Fidelity / Virtual Dolby Surround	•/•	•/•	–/•	–/•	–	•/•
Headphones volume separately adjustable	•	•	•	•	•	•
Headphones tone channel selection for 2-tone reception	•	•	•	•	•	•
Loudspeakers	2 high-middle + 1 bass	2 high-middle + 1 bass	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band, front	2 high-middle + 1 bass
Connections / sockets						
HDMI	2x (1x via DVI-HDMI adapter)	2x (1x via DVI-HDMI adapter)	•	2x	•	2x (1x via DVI-HDMI adapter)
DVI	• DVI-I	• DVI-I	–	–	–	• DVI-I
HDCP	• (via HDMI / DVI)	• (via HDMI / DVI)	• (via HDMI)	• (via HDMI)	• (via HDMI)	• (via HDMI / DVI)
Euro-AV socket / RGB and S-video suitable	2x / 2x RGB	2x / 2x RGB	2x / 1x RGB, 1x S-video	2x / 1x RGB	2x / 1x RGB, 1x S-video	2x / 2x RGB
YUV sockets	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)
S-video input (hosiden)	•	• (lateral)	•	• (lateral)	•	•
Cinch-AV sockets	•	• (lateral)	•	• (lateral)	•	•
VGA interface for PC	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA)	• (Multisync WXGA)	• (Multisync WXGA)	• (Multisync WXGA via DVI-I)
SPDIF out	• (optical)	• (optical)	–	–	–	• (optical)
Headphones socket (Ø 3,5 mm)	•	•	• (lateral)	• (lateral)	• (lateral)	•
Common interface (CA modules)	–	–	•	–	–	–
Mains unit						
Voltage (regulated), frequency 50/60 Hz V~	230	230	230	100 – 240	100 – 240	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	171 / < 2	171 / < 2	175 / < 1	175 / < 2	175/ < 1	*1)
Weight approx. kg	32.8	29	29	29	30	25.1
Dimensions (W x H x D) approx. cm	98.5 x 73.3 x 11.3 (30 with pedestal)	96.3 x 70.7 x 14 (33 with pedestal)	96.3 x 70.7 x 14 (27.5 with pedestal)	96.3 x 70.7 x 14 (33 with pedestal)	96.2 x 64.9 x 13 (26.2 with pedestal)	82.5 x 61.9 x 11.4 (25.1 with pedestal)

Technical data supplied without liability.

*1) Data were not defined at the time of printing.

LCD TELEVISION SETS	Lenaro 32 LXW 82-7731 IDTV	Lenaro 32 LXW 82-8720 Dolby	Cinemo 32 LXW 82-8735 REF	Vivance 32 LXW 82-6710 REF	Vision+ 26 LXW 68-9740 Dolby	Lenaro 26 LXW 68-7731 IDTV
Catalogue page	20	18	22	24	15	20
Picture						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	32	32	32	32	26	26
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	6.5	8	8	6.5	8	8
Brightness approx. cd/m²	550	500	500	550	450	500
Contrast ratio approx.	1200 : 1	1200 : 1	1200 : 1	1200 : 1	800 : 1	1200 : 1
Viewing angle approx.	176° vertical, 176° horizontal	178° vertical, 178° horizontal	178° vertical, 178° horizontl	178° vertical, 178° horizontal	178° vertical, 178° horizontal	176° vertical, 176° horizontal
Resolution RGB pixel	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Digital Reference Plus II technology	–	–	–	–	•	–
Motion Compensation	–	–	–	–	–	–
10-bit technology	–	–	–	–	•	–
Perfect Clear	–	–	–	–	•	–
HD ready	•	•	•	•	•	•
Increased colour contrast (DCTI)	•	•	•	•	•	•
Picture definition storable / comb filter	•/•	•/• (3-D)	•/• (3-D)	•/•	•/• (3-D)	•/•
Integrated DVB-T receiver						
Digital TV reception via house- or room antenna	•	–	–	–	–	•
Electronics						
Easy Dialog / intelligent user concept	–/•	–/•	–/•	–/•	•/•	–/•
Automatic tuning system	•	•	•	•	•	•
Picture-in-picture	1-tuner PIP	2-tuner PIP	1-tuner PIP	1-tuner PIP	1-tuner AV-PIP	1-tuner PIP
PAP - splitted screen (picture / picture)	• (via AV)	•	• (via AV)	• (via AV)	–	• (via AV)
PAT - splitted screen (picture / text)	•	•	–	•	•	•
Programme memory TV / AV	100 (899 DVB-T) / 7	99 / 8	99 / 8	100 / 7	99 / 7	100 (899 DVB-T) / 7
Videotext / memory	• / 250	• / 1200	• / 1000	• / 250	• (Level 2.5) / 2000	• / 250
TV standards	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM, via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)
Control keys on set	•	•	•	•	–	•
Infrared remote control	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C
Sound						
Music / nominal output approx. W	2-channel 14 / 7	2-channel 20 / 10	2-channel 15 / 7.5	2-channel 14 / 7	3-channel 40 / 22	2-channel 14 / 7
Magic Fidelity / Virtual Dolby Surround	–/•	–/•	–	–	•/•	–/•
Headphones volume separately adjustable	•	•	–	•	•	•
Headphones tone channel selection for 2-tone reception	•	•	–	•	•	•
Loudspeakers	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, frant	Super Woofer System	2 wide band, front	2 high-middle + 1 bass	2 wide band + 2 tweeter, front
Connections / sockets						
HDMI	•	2x	•	•	2x (1 x via DVI-HDMI adapter)	•
DVI	–	–	–	–	• DVI-I	–
HDCP	• (via HDMI)	• (via HDMI)	• (via HDMI)	• (via HDMI)	• (via HDMI / DVI)	• (via HDMI)
Euro-AV socket / RGB and S-video suitable	2x / 1x RGB, 1x S-video	2x / 1x RGB	2x / 1x RGB	2x / 1x RGB, 1 x S-video	2x / 2x RGB	2x / 1x RGB, 1x S-video
YUV sockets	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	2x (3x Cinch video, 2x Cinch audio; lateral and rear)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)	• (3x Cinch video, 2x Cinch audio)
S-video input (hosiden)	• (lateral)	• (lateral)	• (lateral)	•	•	• (lateral)
Cinch-AV sockets	• (lateral)	• (lateral)	• (lateral)	•	•	• (lateral)
VGA interface for PC	• (Multisync WXGA)	• (Multisync WXGA)	• (Multisync WXGA)	• (Multisync WXGA)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA)
SPDIF out	• (coaxial)	–	•	–	• (optical)	• (coaxial)
Headphones socket (Ø 3,5 mm)	• (lateral)	• (lateral)	–	• (lateral)	•	• (lateral)
Common interface (CA modules)	•	–	–	–	–	•
Mains unit						
Voltage (regulated), frequency 50/60 Hz V~	230	100 – 240	100 – 240	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	150 / < 1.5	165 / < 2	160 / < 3	145 / < 1.5	*)	125 / < 1.5
Weight approx. kg	20.7	20.7	20	21	18.6	14
Dimensions (W x H x D) approx. cm	82.4 x 61 x 10.3 (24.8 with pedestal)	82.4 x 61 x 10.3 (28.5 with pedestal)	80.6 x 64.4 x 11.2 (23.5 with pedestal)	82.4 x 62.4 x 10.4 (25 with pedestal)	69.1 x 54.4 x 11.2 (24 with pedestal)	70.1 x 53.7 x 9.7 (20.6 with pedestal)

Technical data supplied without liability. *) Data were not defined at the time of printing.

LCD TELEVISION SETS	Lenaro 26 LXW 68-8720 Dolby	Vision 20 LCD 51-8610 TOP	Davio 20 LCD 51-5700 BS	Lenaro 19 LCD 49-7710 TOP	Lenaro 19 LW 49-7710 BS	Davio 15 LCD 38-5700 BS	Davio 7 LW 18-5701 IDTV
Catalogue page	18	15	25	20	20	25	24
Picture							
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	26	20	20	19	19	15	7
16:9 wide-screen format	•	–	–	–	•	–	•
Response time approx. ms	8	16	16	6	8	12	18
Brightness approx. cd/m²	500	450	500	500	300	400	500
Contrast ratio approx.	1200 : 1	700:1	700 : 1	700 : 1	700 : 1	500 : 1	300 :1
Viewing angle approx.	176° vertical, 176° horizontal	140° vertical, 160° horizontal	140° vertical, 160° horizontal	140° vertical, 160° horizontal	170° vertical, 170° horizontal	135° vertical, 130° horizontal	130° vertical, 130° horizontal
Resolution RGB pixel	WXGA 1366 x 768	VGA 640 x 480	XGA 800 x 600	XGA 1280 x 1024	WXGA 1440 x 900	XGA 1024 x 768	WVGA 720 x 576
Digital Reference Plus II technology	–	–	–	–	–	–	
Motion Compensation	–	–	–	–	–	–	
10-bit technology	–	–	–	–	–	–	
Perfect Clear	–	–	–	–	–	–	
HD ready	•	–	–	–	–	–	
Increased colour contrast (DCTI)	•	•	–	–	•	–	
Picture definition storable / comb filter	•/• (3-D)	•/•	–/•	–/•	•/•	–/•	
Integrated DVB-T receiver							
Digital TV reception via house- or room antenna	–	–	–	–	–	–	•
Electronics							
Easy Dialog / intelligent user concept	–/•	–	–	–	–	–	
Automatic tuning system	•	•	•	•	•	•	•
Picture-in-picture	2-tuner PIP	–	–	–	–	–	
PAP - splitted screen (picture / picture)	•	–	–	–	–	–	
PAT - splitted screen (picture / text)	•	–	–	–	–	–	
Programme memory TV / AV	99 / 8	99 / 5	99 / 5	99 / 5	99 / 5	99 / 4	256 (999 DVB-T) / 1
Videotext / memory	• / 1200	• / 10	• / 10	• / 10	• / 10	• / 10	• (via DVB-T) / *)
TV standards	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM, via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L' PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K/I, Nicam 5.85 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK, PAL, M
Control keys on set	•	•	•	•	•	•	•
Infrared remote control	Tele-Pilot® 170 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	RC Davio 7
Sound							
Music / nominal output approx. W	2-channel 14 / 7	2-channel 10 / 5	2-channel 6 / 3	2-channel 10 / 5	2-channel 10 / 5	2-channel 4 / 2	2-channel 6 / 3
Magic Fidelity / Virtual Dolby Surround	–/•	–	–	–	–	–	
Headphones volume separately adjustable	•	•	•	•	•	•	
Headphones tone channel selection for 2-tone reception	•	•	•	•	•	•	
Loudspeakers	2 wide band + 2 tweeter, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front
Connections / sockets							
HDMI	2x	–	–	–	–	–	
DVI	–	–	–	–	–	–	
HDCP	• (via HDMI)	–	–	–	–	–	
Euro-AV socket / RGB and S-video suitable	2x / 1x RGB	2x / 1x RGB	2x / 1x RGB	2x / 1x RGB	1x / 1x RGB	1x / 1x RGB	(via 3.5 mm jack)
YUV sockets	• (3x Cinch video, 2x Cinch audio)	–	–	–	–	–	
S-video input (hosiden)	• (lateral)	•	•	• (lateral)	• (lateral)	•	
Cinch-AV sockets	• (lateral)	•	•	• (lateral)	• (lateral)	•	(via 3.5 mm jack)
VGA interface for PC	• (Multisync WXGA)	• (VGA)	• (XGA)	• (XGA)	• (Multisync WXGA)	• (XGA)	
SPDIF out	–	–	–	–	–	–	
Headphones socket (Ø 3,5 mm)	• (lateral)	•	•	• (lateral)	• (lateral)	•	• (lateral)
Common interface (CA modules)	–	–	–	–	–	–	
Mains unit							
Voltage (regulated), frequency 50/60 Hz V~	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240
Integrated supply	•	•	•	•	– (AC/DC adaptor 12 V = / 5 A)	•	– (AC/DC adaptor 7 – 12 V = / 2 A)
Power consumption max. / stand-by approx. W	120 / < 2	55 / < 2	55 / < 2	45 / < 2	60 / < 3	45 / < 2	15
Weight approx. kg	14	11	8.6	7.5	7.5	4.4	0.6
Dimensions (W x H x D) approx. cm	70.1 x 53.7 x 9.7 (28.5 with pedestal)	50.5 x 49.5 x 8 (19.2 with pedestal)	50.4 x 46 x 7.9 (19.3 with pedestal)	53.5 x 47.6 x 9.5 (19.6 with pedestal)	54.8 x 41 x 8.7 (17.4 with pedestal)	39 x 36 x 9.5 (16 with pedestal)	22.5 x 12.6 x 2.8

Technical data supplied without liability. *) Data were not defined at the time of printing.

LCD TVs

100 HERTZ TELEVISION SETS		Lenaro 82 Flat MFW 82-5610 REF	MFW 82-2010/8 TOP	Lenaro 72 Flat MF 72-6510/8 IDTV	Lenaro 72 Flat MF 72-5610 REF	Sedance 70 ST 70-2010 Text
Catalogue page		26	29	27	27	29
Picture						
Picture tube		MEGATRON Plus Real Flat	Real Flat	MEGATRON Real Flat	MEGATRON Real Flat	Black Line FX
Picture tube diagonal	inches	32	32	29	29	28
4 different format switchings		•	•	–	–	–
Space velocity modulation (SVM) / Dynamic focus		•/•	•/–	•/•	•/•	•/–
100 Hz technology		•	•	•	•	•
Reference plus technology		•	–	–	•	–
Increased colour contrast (CTI)		•	•	•	•	•
Picture definition storable / Comb filter		•/•	•/–	•/•	•/•	•/–
Integrated DVD-T receiver						
Digital TV reception via house- or room antenna		–	–	•	–	–
Electronics						
Electronic programm guide		Now & Next	–	Now & Next	Now & Next	–
Automatic tuning system		•	•	•	•	•
Multi picture display (Mosaic Picture)		•	–	•	•	–
PAT – splitted screen (picture/text)		•	•	•	•	•
Programme memory TV / AV		99 / 3, s-video, camera	99 / 2, s-video, camera	99 / 3, s-video, camera	99 / 3, s-video, camera	99 / 2, s-video, camera
Videotext / Memory		• / 1024	• / 9	• / 1024	• / 1024	• / 9
TV standards		BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K, Nicam 5.58 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz. A2 for B/G/D/K, Nicam 5.58 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz A2 for B/G/D/K, Nicam 5.58 MHz (BG, L) + 6.52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4.43 + 3.58 MHz A2 for B/G/D/K, Nicam 5.58 MHz (BG, L) + 6.52 MHz (I)	BG, PAL, via AV: NTSC 4.43 + 3.58 MHz. A2
Infrared remote control		Tele-Pilot® 170 C	Tele-Pilot® 160 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 160 C
Sound						
Stereo / 2-tone reception		•/•	•/•	•/•	•/•	•/•
Music / nominal output	W	2-channel 24 / 12	2-channel 24 / 12	2-channel 24 / 12	2-channel 24 / 12	2-channel 24 / 12
Virtual Dolby Surround		•	–	–	–	–
Headphones volume separately adjustable		•	•	•	•	•
Headphones tone channel selection for 2-tone reception		•	•	•	•	•
Loudspeakers		2 tweeter + 2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 tweeter + 2 wide band, front
Connections / Sockets						
S-video input (hosiden) for camera recorder		•	•	•	•	•
Euro-AV socket / S-video suitable		3x / 1x	2x / –	3x / 1x	3x / 1x	2x / –
Dolby Digital out (S/PDIF)		–	–	•	–	–
Cinch-AV (camera recorder) / Headphones socket (Ø 3.5 mm)		•/•	•/•	•/•	•/•	•/•
Audio stereo output to Hi-fi-system		•	•	•	•	–
Mains unit						
Voltage (regulated), frequency 50/60 Hz	V~	230	230	230	230	230
Power consumption max. / stand-by	approx. W	101 / 4	101 / 5	115 / 4.5	97 / 4	38 / 5
Weight	approx. kg	42	53	42	42	31
Dimensions (W x H x D)	approx. cm	80.1 x 58 x 54.3	89 x 54.2 x 55.2	80.1 x 58 x 49.4	80.1 x 58 x 49.4	73 x 55 x 45.7
Accessories (console)		TVS Lenaro 8272	–	TVS Lenaro 8272	TVS Lenaro 8272	–
Dimensions console (W x H x D)	approx. cm	79 x 49 x 50	–	79 x 49 x 50	79 x 49 x 50	–

Technical data supplied without liability.

50 HERTZ TELEVISION SETS		Lenaro 70 ST 70-5501/8 TOP	ST 70-2003 Text	Lenaro 55 Flat MF 55-5501 TOP	Xentia 55 MFS 55-4701/8 TOP	Davio 21 T 55-4501 Text	Davio 20 T 51-4501 Text
Catalogue page		28	28	30	31	31	31
Picture							
Picture tube		Black Line FX	Black Line FX	Black Line FX Real Flat	Black Line FX Real Flat	Black Matrix	Black Matrix
Picture tube diagonal	inches	28	28	21	21	21	20
Picture definition storable		•	•	•	•	•	•
Electronics							
Electronic program guide		Now & Next	–	Now & Next	Now & Next	–	–
Automatic tuning system		•	•	•	•	•	•
Sleep timer / Hotel mode		•/•	•/•	•/•	•/•	•/•	•/•
Programme memory TV / AV		99 / 2, s-video, camera	99 / 2, s-video, camera	99 / 2, s-video, camera	100 / 1	99 / 1	99 / 1
Videotext / Memory		•/12	• / 10	•/8	• / 8	•/1	•/1
TV standards		BG, PAL, Secam via AV: NTSC 4.43 + 3.58 MHz.	BG, PAL, Secam via AV: NTSC 4.43 + 3.58 MHz.	BG, PAL, Secam via AV: NTSC 4.43 + 3.58 MHz.	BG, PAL, Secam via AV: NTSC 4.43 + 3.58 MHz.	BG, PAL, via AV: NTSC 4.43 MHz	BG, PAL, via AV: NTSC 4.43 MHz
Infrared remote control		Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C	Tele-Pilot® 160 C
Sound							
Stereo / 2-tone reception		•/•	•/•	•/•	•/•	–	–
Music / nominal output	W	2-channel 20 / 10	2-channel 20 / 11	2-channel 14 / 7	2-channel 14 / 7	5 / 2.5	5 / 2.5
Loudspeakers		2 wide band, front	3 wide band, front	2 wide band, front	2 wide band, front	1 wide band, front	1 wide band, front
Connections / Sockets							
S-video input (hosiden) for camera recorder		•	–	•	• (lateral)	–	–
Euro-AV socket / S-video suitable		2x / 1x	2x / 1x	2x / 1x	2x / 1x	1x / –	1x / –
Cinch-AV (camera recorder)		•	•	•	• (lateral)	–	–
Headphones socket (Ø 3.5 mm)		•	•	•	• (lateral)	–	–
Mains unit							
Voltage (regulated), frequency 50/60 Hz	V~	230	230	230	230	230	230
Power consumption max. / stand-by	approx. W	83 / 3	83 / 3	51 / 2	60 / 2	45 / 4	45 / 4
Weight	approx. kg	30.8	31	22.2	23	20.2	17.4
Dimensions (W x H x D)	approx. cm	72.9 x 55.6 x 45.9	73 x 55 x 45.7	61.2 x 45.1 x 47.7	62 x 45.5 x 41.8	50.8 x 47.8 x 48.6	50.8 x 47.8 x 47.9

PORTABLE TV-SETS		Davio 14 P 37-4501 Text
Catalogue page		31
Picture		
Picture tube		Black Matrix
Picture tube diagonal	inches	14
Picture definition storable		•
Electronics		
Automatic tuning system		•
Sleep timer / Hotel mode		•/•
Programme memory TV / AV		99 / 1
Videotext / Memory		• / 1
TV standards		BG, PAL, via AV: NTSC 4.43 MHz
Infrared remote control		Tele-Pilot® 160 C
Sound		
Music / nominal output	W	4 / 2
Loudspeakers		1 wide band, front
Connections / Sockets		
Euro-AV socket		1x
Antenna (75 Ohm coaxial)		•
Mains unit		
Voltage (regulated), frequency 50/60 Hz	V~	190 – 265
Power consumption max. / stand-by	approx. W	30 / 4
Weight	approx. kg	9.4
Dimensions (W x H x D)	approx. cm	37.2 x 35.6 x 36.9

Technical data supplied without liability.

COMBINED TV/DVDs		Elegance 21 Flat TVD 55-2502/5 TOP	Davio 14 TVD 37-2502 Text
Catalogue page		30	31
Picture			
Picture tube		Black Line FX Real Flat	Black Matrix
Picture tube diagonal	inches	21	14
Picture definition storable		•	•
Electronics			
Electronic program guide		Now & Next	–
Automatic tuning system		•	•
Programme memory TV / AV		99 / 1	99 / 1
Videotext / Memory		• / 8	• / 1
TV standards		BG, DK, PAL, Secam, via AV: NTSC 4.43 + 3.58 MHz, NICAM 5.58 MHz (BG)	BG, PAL, via AV: NTSC 4.43 + 3.58 MHz
Infrared remote control		Tele-Pilot® 165 C	Tele-Pilot® 165 C
Built-in DVD-Player		•	•
Playable disc formats		DVD-Video / DVD-R / DVD+RW / DVD-RW / DVD+R / Video CD (2.0) / S-VCD / Audio-CD / CD-R / CD-RW / MP3 / JPEG	DVD-Video / DVD-R / DVD+RW / DVD-RW / DVD+R / Video CD (2.0) / S-VCD / Audio-CD / CD-R / CD-RW / MP3 / JPEG
Sound			
Music / nominal output	W	2-channel 14 / 7	6 / 3
Loudspeakers		2 wide band, front	1 wide band, front
Connections / Sockets			
Euro-AV socket / S-video suitable		2x / 1x	1x / 1x
Cinch-AV (camera recorder)		•	•
Digital audio output coaxial		•	•
DVD audio / video out		–	•
Headphones socket (Ø 3.5 mm)		•	•
Mains unit			
Voltage (regulated), frequency 50/60 Hz	V~	230	230
Power consumption max. / stand-by	approx. W	73 / 2	50 / 2
Weight	approx. kg	24.6	12.3
Dimensions (W x H x D)	approx. cm	61 x 46.5 x 52.5	39.5 x 39.5 x 40

TVs

DVB-S-RECEIVERS	DSR 4530 HDD	DSR 2530	DSR 1650-2 Micro
Catalogue page	32	33	33
System features			
Reception of digital TV receivers	via satellite antenna	via satellite antenna	via satellite antenna
TV- / radio programs	4000 preset channel table f. 30 satellite positions e.g. for Astra 19,2°, Hotbird, Türksat 1 C, Sirius 2/3, Amos, Hellas Sat	4000 preset channel table f. 30 satellite positions e.g. for Astra 19,2°, Hotbird, Türksat 1 C, Sirius 2/3,	2000 preset channel table for Astra 19,2°, Hotbird and Türksat 1 C
SI-based EPG (electrical program guide)	•	•	•
Permanent evaluation of program attending data	•	•	•
Dynamic PMT-evaluation	•	•	•
Adjustment – picture formats:	4 : 3, 16 : 9, pan & scan, letter box	4 : 3, 16 : 9, pan & scan, letter box	4 : 3, 16 : 9, pan & scan, letter box
– sound formats:	Stereo, mono L, mono R	Stereo, mono L, mono R	Stereo, mono L, mono R, mono L + R
Transmission VPS signals / videotext (VBI)	• / •	• / •	• / •
Channel search mode / program list edit	Automatic and manual / •	Automatic and manual / •	Automatic and manual / •
Personal set of a program list	•	•	•
Demodulation / Symbol rate MS/s	QPSK / 2-45 (SCPC/MCPC)	QPSK / 2-45 (SCPC/MCPC)	QPSK / 1-45 (SCPC/MCPC)
FEC (Fault correction autom. perception function)	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Input frequency range (MHz)	950 - 2.150	950 - 2.150	950 - 2.150
Input level / input resistor	- 65 dBm to - 25 dBm / 75 Ohm	- 65 dBm to - 25 dBm / 75 Ohm	- 65 dBm to - 25 dBm / 75 Ohm
LNB-supply (V) / LNB Power (mA)	0, 14, 18 / 400	0, 14, 18 / 400	0, 14, 18 / 275
DiSEqC / 22 kHz	1.0 / •	1.0 / •	1.0 / •
Recording			
Integrated hard disk	80 GB	–	–
Record programming	manually or via SI-based EPG	–	–
Instant record	•	–	–
Time shift	simultaneously record and playback	–	–
Video features			
MPEG profile	MP@ML	MP@ML	MP@ML
Decode of data rate	up to 15 MBit/sec	up to 15 MBit/sec	up to 15 MBit/sec
Resolution	720 x 576	720 x 576	720 x 576
On Screen display (OSD)-colours	256	256	256
Audio features			
MPEG profile	MPEG 2 layer I&II (Musicam)	MPEG 2 layer I&II (Musicam)	MPEG 2 layer I&II (Musicam)
AC 3-output	S/PDIF	S/PDIF	–
Digital Analog Converter (DAC)	24 Bit	24 Bit	24 Bit
Software			
Teletext / DVB subtitle	• / •	• / •	• / •
Software update - download over	Satellite antenna (via Astra) / RS 232	Satellite antenna (via Astra) / RS 232	Satellite antenna (via Astra)
Last Station Memory	•	•	•
Sleeptimer / Timer memory cell	• / 10	• / 10	– / 8
Volume control / mute function	• / •	• / •	• / •
OSD-language	D, E, F, GB, I, PL, S, FIN	D, E, F, GB, I, PL, S, FIN	D, F, E, I, GB, FIN, S, PL, P, CZ, DK, TR
Display			
VF display	•	•	–
Alphanumerical display	•	•	–
LED display	Stand-by	Stand-by	On / stand-by
Proaessor			
CPU	32 bit	32 bit	32 bit
Memory	16 MB RAM, 2 MB Flash	8 MB RAM, 2 MB Flash	16 MB RAM, 2 MB Flash
Connections			
SAT input	IEC-F-type, socket	IEC-F-type, socket	IEC-F-type, socket
Serial interface	RS 232 (9-pole Sub-D connector)	RS 232 (9-pole Sub-D connector)	–
TV Scart output	FBAS, RGB, Y/C, YUV / +FBAS (Cinch)	FBAS, RGB, Y/C, YUV / +FBAS (Cinch)	FBAS, RGB, Y/C
VCR Scart output/-input	• / •	• / •	–
Audio output	2x Cinch for stereo L+R	2x Cinch for stereo L+R	–
Dolby Digital output (S/PDIF)	electrical (Cinch)+ optical	electrical (Cinch)+ optical	–
Infrared remote control	TP 767 PVR (4 plains: PVR, digital receiver, TV, DVD)	TP 766 S (4 plains: digital receiver 1 and 2, TV, DVD)	TP 766 S (4 plains: digital receiver 1 and 2, TV, DVD)
Mains supply			
Mains voltage, 50 Hz V~	230	230	230 / 12 V ⎓
Power consumption max. / stand-by approx. W	20 without LNB / < 6	12 without LNB / < 6	18 without LNB / < 6
Weight approx. kg	1.8	1.8	0.9
Dimensions (wide x height x depth) approx. cm	36 x 6 x 28	36 x 6 x 28	10 x 2.5 x 7.5

Technical data supplied without liability.

DVB-T-RECEIVERS	DTR 4540 HDD	DTR 2540	DTR 1560-2 Micro
Catalogue page	35	35	35
System features			
Reception of digital TV receivers	via house- or room antenna	via house- or room antenna	via house- ar room antenna
TV- / radio programs	1000	1000	4000
SI-based EPG (electrical program guide)	•	•	•
Permanent evaluation of program attending data	•	•	•
Dynamic PMT-evaluation	•	•	•
Adjustment – picture formats:	4 : 3, 16 : 9, pan & scan, letter box	4 : 3, 16 : 9, pan & scan, letter box	4 : 3, 16 : 9, pan & scan, letter box
– sound formats:	Stereo, mono L, mono R	Stereo, mono L, mono R	Stereo, mono L, mono R
Transmission VPS signals / videotext (VBI)	• / •	• / •	• / •
Channel search mode / program list edit	Automatic and manual / •	Automatic and manual / •	Automatic and manual / •
Personal set of a program list	•	•	•
Demodulation / Symbol rate MS/s	COFDM: 2 / 8 k; QPSK / 16 / 64 QAM	COFDM: 2 / 8 k; QPSK / 16 / 64 QAM	COFDM: 2 / 8 k; QPSK / 16 / 64 QAM
FEC (Fault correction autom. perception function)	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Input frequency range (MHz)	VHF & UHF Band III, IV and V	VHF & UHF Band III, IV and V	VHF & UHF Band III, IV and V
Input level / input resistor	- 75 dBm bis - 20 dBm (16 QAM, 2/3) / 75 Ohm	- 75 dBm bis - 20 dBm (16 QAM, 2/3) / 75 Ohm	- 72 dBm / 75 Ohm
Antenna supply	5 V / 30 mA for active Antennas	5 V / 30 mA for active Antennas	5 V / 30 mA for active Antennas
Recording			
Integrated hard disk	80 GB	–	–
Record programming	manually or via SI-based EPG	–	–
Instant record	•	–	–
Time shift	simultaneously record and playback	–	–
Video features			
MPEG profile	MP@ML	MP@ML	MP@ML
Decode of data rate	up to 15 MBit/sec	up to 15 MBit/sec	up to 15 MBit/sec
Resolution	720 x 576	720 x 576	720 x 576
On Screen display (OSD)-colours	256	256	256
Audio features			
MPEG profile	MPEG 2 layer I&II (Musicam)	MPEG 2 layer I&II (Musicam)	MPEG 2 layer I&II (Musicam)
AC 3-output	S/PDIF	S/PDIF	–
Digital Analog Converter (DAC)	24 Bit	24 Bit	24 Bit
Software			
Teletext / DVB subtitle	• / •	• / •	• / •
Software update - download over	RS 232	RS 232	over air
Last Station Memory	•	•	–
Sleeptimer / Timer memory cell	• / 10	• / 10	– / 8
Volume control / mute function	• / •	• / •	• / •
OSD-language	D, F, E, I, GB, FIN, S, PL	D, F, E, I, GB, FIN, S, PL, CZ, DK	D, F, E, I, GB, FIN, S, PL, P, DK, TR
Display			
VF display	•	•	–
Alphanumerical display	•	•	–
LED display	Stand-by	Stand-by	On / stand-by
Proaessor			
CPU	32 bit	32 bit	32 bit
Memory	16 MB RAM, 2 MB Flash	8 MB RAM, 2 MB Flash	16 MB RAM, 2 MB Flash
Connections			
Antenna input	IEC 60169-2, socket	IEC 60169-2, socket	IEC 60169-2, socket
Antenna output	IEC 60169-2, socket	IEC 60169-2, socket	–
Serial interface	RS 232 (9-pole Sub-D connector)	RS 232 (9-pole Sub-D connector)	–
TV Scart output	FBAS, RGB, Y/C, YUV / +FBAS (Cinch)	FBAS, RGB, Y/C, YUV / +FBAS (Cinch)	FBAS, RGB, Y/C
VCR Scart output/-input	• / •	• / •	–
Audio output	2x Cinch for stereo L+R	2x Cinch for stereo L+R	–
Dolby Digital output (S/PDIF)	electrical (Cinch) + optical	electrical (Cinch) + optical	–
Infrared remote control	TP 767 PVR (4 plains: PVR, digital receiver, TV, DVD)	TP 766 S (4 plains: digital receiver 1 and 2, TV, DVD)	TP 766 S (4 plains: digital receiver 1 and 2, TV, DVD)
Mains supply			
Mains voltage, 50 Hz V~	230	230	230 / 12 V ⎓
Power consumption max. / stand-by approx. W	20 / < 6	11 / < 6	6
Weight approx. kg	1.8	1.8	0.9
Dimensions (wide x height x depth) approx. cm	36 x 6 x 28	36 x 6 x 28	11 x 2.5 x 7.5

Technical data supplied without liability.

DVD RECORDERS	GDRH 5625	GDR 5550 HDD
Catalogue page	37	36
Tuning system		
TV standards	BG, DK, I / L/L' / PAL, Secam	BG, DK, I / L/L' / PAL, Secam
Sound format processing	A2 Stereo, Nicam	A2 Stereo, Nicam
Integrated recording media		
Capacity of hard disk	250 GB	160 GB
Record programming / Instant record	permanent time shift / •	permanent time shift / •
Time shift	simultaneously record and playback	simultaneously record and playback
Time shift mode	1 h, 3 h, 6 h adjustable	3 h fix
Recording formats	DVD+RW / DVD-RW / DVD+R / DVD-R	DVD+RW / DVD-RW / DVD+R / DVD-R
YesDVD	version 1.51 for HDD, DVD+R / +RW and DVD-R / RW	version 1.1 for DVD+R / DVD+RW
Recording capacity (4.7 GB DVD)	1 – 8 h (depending on recording mode)	1 - 8 h (depending on recording mode)
Recording modes	HQ, SP, SP+, LP, EP, SLP+, SEP++	HQ, SP, SP+, LP, EP, SLP+, SEP++
Playable formats	DVD video / DVD-R / DVD-RW / DVD+R DVD+RW / DivX DVD / Audio CD / CD-R / CD-RW / Video CD (2.0) / S-VCD / MP3 / JPEG / Kodak Picture CD / DivX CD / WMA	DVD video / DVD-R / DVD-RW / DVD+R DVD+RW / DivX DVD / Audio CD / CD-R / CD-RW / Video CD (2.0) / S-VCD / MP3 / JPEG / Kodak Picture CD / DivX CD / WMA
Picture Viewer	• /JPEG- / Kodak Picture CD	• /JPEG- / Kodak Picture CD
Copy function	hard disk - DVD; DVD - hard disk; USB - DVD USB - hard disk	hard disk - DVD; USB - DVD
Dubbing mode	Fit-to-Disc 1 x, High Speed 2 x, Highest Speed 4 x	High Speed 2 x
Jukebox for media files	MP3, WMA, JPEG, DivX	–
Record programming		
VPS / PDC control	•/•	•/•
Timer, number of events (1 year)	8	8
Timer programming once / daily / weekly	•	•
Timer programming Mo-Fr / Mo-Sa / weekend	•	•
Video		
Video D/A converter	54 MHz	54 MHz
Horizontal resolution (DVD)	576i, 576p	576i, 576p
Progressive Scan PAL / NTSC	•/•	•/•
PIP functions	•	–
Audio		
D/A converter	192 kHz / 24 Bit	192 kHz / 24 Bit
Frequenzy range DVD 48 kHz / 96 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz
Frequenzy range CD 44.1 kHz	4 Hz – 20 kHz	4 Hz – 20 kHz
Dynamic range (1 kHz) / Signal noise (1 kHz) dB	85 / 90	85 / 90
Audio downsampling	•	•
Digital Sound decoder	Dolby Digital AC3, MPEG 2, MP3, WMA	Dolby Digital AC3, MPEG 2, MP3, WMA
Digital outputs	Dolby Digital AC3, MPEG 2, DTS, PCM	Dolby Digital AC3, MPEG 2, DTS, PCM
Dolby ProLogic	•	•
Playback features		
Fast picture search (forward and reverse)	2x / 4x / 8x / 16x / 32x	2x / 4x / 8x / 16x / 32x
Title / chapter skip	•	•
Direct chapter selection with 10 key keypad	•	•
Perfect still picture / picture-by-picture playback	•/•	•/•
Slow motion (forward and reverse)	1/2, 1/4, 1/8, 1/16 (forward)	1/2, 1/4, 1/8, 1/16 (forward)
Repeat	Title / chapter / sequence A – B	Title / chapter / sequence A – B
Connections		
USB	1.1 (front)	1.1 (front)
Progressive video out (YUV cinch)	•	•
Euro-AV, scart	2 x (RGB, S-video)	2 x (RGB, S-video)
Cinch video out (CVBS) / Cinch audio stereo downmix	•/•	•/•
Cinch video in (CVBS) / Cinch audio stereo in	•/• (front ad rear)	•/• (front ad rear)
S-video socket (Y/C) in / out	•/•	•/•
Digital video in / control of a DV camera	•/• (front)	•/• (front)
Digital audio out coaxial / optical	•/•	•/•
Mains unit		
Mains voltage V~	110 – 240, 50 – 60 Hz	110 – 240, 50 – 60 Hz
Power consumption max. / stand-by approx. Watt	50 / < 4	50 / < 4
Weight approx. kg	4.5	4.5
Dimensions (W x H x D) approx. cm	43 x 5.5 x 32	43 x 5.5 x 32

PORTABLE DVD PLAYER	DVD-P 8600	DVD-P 7600
Catalogue page	39	38
Playable disc formats 12/8 cm	DVD-Video / DVD-R / DVD-RW / DVD+R / DVD+RW / Audio-CD / CD-R / CD-RW Video CD (2.0) / MP3 / JPEG / Kodak-Picture CD	DVD-Video / DVD-R / DVD-RW / DVD+R / DVD+RW / Audio-CD / CD-R / CD-RW Video CD (2.0) / MP3 / JPEG / Kodak-Picture CD
DivX (Home Theater certificated)	•	•
Picture Viewer	• /JPEG- / Kodak Picture CD	• /JPEG- / Kodak Picture CD
Laser scan	2 Laser (1 x CD, 1 x DVD)	2 Laser (1 x CD, 1 x DVD)
PAL / NTSC-playback	•/•	•/•
Display		
Panel	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	8	7
16:9 wide-screen format	•	•
Brightness approx. cd/m²	350	350
Contrast ratio approx.	300 : 1	300 : 1
Resolution max. RGB pixel	800 x 460	480 x 234
Video		
Video D/A converter	54 MHz / 10 bit	54 MHz / 10 bit
Horizontal resolution (DVD)	more than 500 TV lines	more than 500 TV lines
Digital video optimazing for still picture / block noise reduction	•/•	•/•
Audio		
D/A converter	96 kHz / 24 Bit	96 kHz / 24 Bit
Frequency range DVD 48 kHz / 96 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz
Frequency range CD 44.1 kHz dB	20 Hz – 20 kHz	20 Hz – 20 kHz
Dynamic range (1 kHz) / Signal noise (1 kHz)	85 / 65	85 / 65
Audio downsampling	•	•
Digital sound decoder	Dolby Digital AC3, MP3, PCM	Dolby Digital AC3, MP3, PCM
Dolby ProLogic	• (downmix)	• (downmix)
Playback features		
Fast picture search (forward and reverse)	2x / 4x / 8x / 20x	2x / 4x / 8x / 20x
Title / chapter skip	•	•
Direct chapter selection with 10 key keypad	•	•
Perfect still picture / picture by picture playback	•/•	–
Repeat	Title/chapter/sequence A – B	Title/chapter/sequence A – B
Special features		
Child lock	•	•
Language choice (dialog, subtitle)[1]	•	•
Multi-angle choice[1]	•	•
Anti Shock Protection (ASP)	•	•
Operating features		
Infrared remote control	•	•
On Screen Display	•	•
Connections		
USB	•	–
SD card reader	•	–
E-port for DVB-T	•	•
Cinch video-out (CVBS) / cinch audio stereo downmix	•/• (via audio / video adaptor)	•/• (via audio / video adaptor)
Cinch video-in (CVBS) / cinch audio stereo-in	•/• (via audio / video adaptor)	•/• (via audio / video adaptor)
Headphones	•	• (2x)
Mains unit		
Mains voltage V~	100 – 240, 50 – 60 Hz	100 – 240, 50 – 60 Hz
Power consumption max. approx. W	11.25	11.25
Weight approx. kg	0.8	0.71
Dimensions (W x H x D) approx. cm	22.6 x 4 x 16.6	19 x 3.6 x 15.1

Technical data supplied without liability.

[1]) Depending on the DVD-Disc.

DVD PLAYERS	GDP 3560	GDP 2750	GDP 1550
Catalogue page	39	38	38
Playable disc formats 12/8 cm	DVD-Video / DVD+RW / DVD–RW / DVD+R / DVD–R / MPEG4SP-DVD / Audio-CD / CD-R /CD-RW / Video CD (2.0) / S-VCD / MP3 / JPEG / HD-JPEG / Kodak Picture CD / WMA	DVD-Video / DVD+RW / DVD–RW / DVD+R / DVD–R / Audio-CD / CD-R / CD-RW /Video CD (2.0) / S-VCD / MP3 / JPEG / Kodak Picture CD / WMA	DVD-Video / DVD+RW / DVD–RW / DVD+R / DVD–R / Audio-CD / CD-R / CD-RW /Video CD (2.0) / S-VCD / MP3 / JPEG / Kodak Picture CD / WMA
Nero digital (certificated)	•	•	–
DivX (Home Theater certificated)	•	–	–
Picture Viewer	• /HD-JPEG- / JPEG- / Kodak Picture CD	• /JPEG- / Kodak Picture CD	• / JPEG / Kodak Picture CD
Laser scan	2 Laser (1 x CD, 1 x DVD)	2 Laser (1 x CD, 1 x DVD)	2 Laser (1 x CD, 1 x DVD)
PAL / NTSC- playback	•/•	•/•	•/•
Video			
Video D/A converter	27 MHz (10 Bit)	27 MHz (10 Bit)	27 MHz (10 Bit)
Horizontal resolution (DVD) SD / HD	576i, 576p / 720p, 1080i (upconversion)	576i, 576p / –	576i / –
Progressive Scan PAL / NTSC	•/•	•/•	–
Digital video optimizing for still picture / Block noise reduction	•/•	•/•	•/•
Audio			
D/A converter	96 kHz / 24 Bit	96 kHz / 24 Bit	96 kHz / 24 Bit
Frequency range DVD 48 kHz / 96 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz	20 Hz – 22 kHz / 20 Hz – 44 kHz
Frequency range CD 44.1 kHz	4 Hz – 20 kHz	4 Hz – 20 kHz	20 Hz – 20 kHz
Dynamic range (1 kHz) / Signal noise (1 kHz) dB	80 / 90	80 / 90	80 / 90
Dynamic adjustment	•	•	–
Audio downsampling	•	•	•
Digital sound decoder	Dolby Digital AC3, MPEG 2, MP3, MP4, WMA	Dolby Digital AC3, MPEG 2, MP3, MP4, WMA	Dolby Digital AC3, MPEG 2, MP3, WMA
Digital outputs	Dolby Digital AC3, MPEG, DTS, PCM	Dolby Digital AC3, MPEG, DTS, PCM	Dolby Digital AC3, MPEG, DTS, PCM
Dolby ProLogic	•	•	•
Virtual Dolby Surround	•	•	–
Playback features			
Fast picture search (forward and reverse)	2x / 4x / 8x /20x	2x / 4x / 6x / 8x	2x / 4x / 8x / 16x / 32x
Title / chapter skip	•	•	•
Direct chapter selection with 10 key keypad	•	•	•
Perfect still picture / Picture by picture playback	•/•	•/•	•/•
Slow motion (forward and reverse)	1/2, 1/4, 1/6, 1/8	1/2, 1/4, 1/8	1/2, 1/4, 1/6, 1/8
Repeat	Title/chapter/sequence A – B	Title/chapter/sequence A – B	Title/chapter/sequence A – B
Random Play / Programme Play (CD, MP3)	•/•	•/•	•/•
Special features			
Zoom	•	•	•
Child lock	•	•	•
Language choice (dialog, subtitle) [1])	•	•	•
Multi-angle choice [1])	•	•	•
Operating features			
Infrared remote control	TP 81 D, remote control with elementary functions for Grundig TV	TP 81 D, remote control with elementary functions for Grundig TV	TP 81 D, remote control with elementary functions for Grundig TV
On Screen Display	•	•	•
Connections			
HDMI / HDCP	•	–	–
YUV-sockets (Progressive Scan; 3 x Cinch)	•	•	–
Euro-AV, Scart	1 x (RGB)	1 x (RGB)	1 x (RGB)
Cinch video-out (CVBS) / Cinch audio stereo downmix	•/•	•/•	•/•
S-video socket (Y/C) out	•	•	•
Digital audio output coaxial / optical	•/•	•/•	•/•
Mains unit			
Mains voltage V~	100 – 240, 50 – 60 Hz	100 – 240, 50 – 60 Hz	100 – 240, 50 – 60 Hz
Power consumption max. / stand-by approx. W	10 / < 1	10 / 4	10 / 3
Weight approx. kg	2.2	2.2	2.2
Dimensions (W x H x D) approx. cm	43 x 4.3 x 25.7	43 x 3.8 x 25.4	43 x 3.8 x 25.4

Technical data supplied without liability.

Playability of self-made DVDs and CDs on Grundig DVD drive mechanisms.

DVD-Rs/RWs in DVD video format as well as CD-Rs/CD-RWs in CD-DA and in MP3 format can be played back. However it can occur, due to differences in the quality of the media as well as the characteristics of the recording, that individual self-made DVDs or CDs cannot be read. This does not indicate an incorrect function of the playback unit in these cases.

MICRO SYSTEMS		Ovation CDS 7000 DEC	Ovation CDS 6580 SPCD	Cirflexx UMS 5400 DEC	Vertiga UMS 4600 DEC	Varixx UMS 4810 SPCD
Catalogue page		40 / 41	42 / 43	45	44	44
Amplifier unit						
PMPO	W	90	80	100	65	60
Music / nominal output	W	2 x 6/4 / 1 x 11/7	2 x 5/3 / 1 x 10/6	2 x 12 / 8 (8 ohms)	2 x 8 / 5 (4 ohms)	2 x 7.5 / 5 (4 ohms)
Dynamic Bass Boost		•	•	•	–	–
Digital Sound Control		•	•	•	–	–
Preprogrammed EQ settings		5	5	5	5	–
Volume control digital		•	•	•	•	•
Wake-up function / Sleep function		•/•	•/•	•/•	•/•	•/•
Tuner unit						
Ranges		FM, AM (MW)	FM, AM (MW)	FM, AM (MW)	FM, AM (MW)	FM, AM (MW)
PLL frequency synthesizer / Station memory		•/40	•/40	•/40	•/30 + 10	–
Radio Data System RDS / RDS radiotext		•/•	•/–	•/•	•/–	–
Programme type evaluation PTY		•	•	•	•	–
CD unit						
D/A converter	bit	1	1	1	16 bit linear	1
Title memory		60	60	60	64	20
Shuffle (random play)		•	•	•	•	•
Can read CD-R / CD-RW		•/•	•/•	•/•	•/•	•/•
MP3 format		MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1, 2, 2.5 layer 3	MPEG 1 layer 3, 44.1 kHz
Maximum folders / Maximum files		512	512	512	200 / 500	99 / 399
Data rate system		32 - 320 kbps, variable	32 - 320 kbps, variable	8 – 320 kbps, variable	32 - 320 kbps, variable	32 – 320 kbps, variable
ISO 9660 level 1 compatible		•	•	•	•	•
Connections						
USB		•	–	•	•	–
SD / MMC / MS slot		–	–	•	•	–
Line / Aux in		•	•	•	•	–
75 ohms antenna coax.		•	•	•	•	–
Stereo headphones (3.5 mm)		•	•	•	•	•
Remote control / Hi-fi speakers (included)		•/ Magic Fidelity System	•/ Magic Fidelity System	•/ 2-way bass-reflex	•/ 3-way bass-reflex	•/ 2-way bass-reflex
Mains supply, mains frequency	V~, Hz	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50/60
Power consumption max. / stand-by	approx. W	57 / < 3.5	35 / < 3.5	48 / < 3.5	28 / < 5	32 / < 5
Dimensions tower (W x H x D)	approx. cm	29.5 x 30 x 12.7	31 x 18 x 19	17.5 x 24.5 x 23	17 x 17.2 x 25	19.5 x 11.5 x 24.2
Dimensions speakers (W x H x D)	approx. cm	–	–	13 x 24 x 16	12.8 x 25.5 x 14.8	11 x 20 x 20.7

OUTDOOR-LOUDSPEAKER		PSW 5000
Catalogue page		44
Music capacity	W	20
Nominal capacity	W	12
Number of speakers		2
AC/DC adaptor (Receiver and transmitter)	V~, Hz	230, 50/60
Batteries (Receiver)		8 x 1.5 V mono cells
Special features		3 transmission channels (863 – 865 MHz); illuminated bass reflector area; water resistant
Dimensions (Receiver)	(Width x Height x Depth)	approx. cm 23 x 21 x 42
Dimensions (Transmitter)	(Width x Height x Depth)	approx. cm 4 x 13.7 x 12

Technical data supplied without liability.

PERSONAL ENTERTAINMENT		MPixx 2002 FM/ 2 GB Digital Movie and Music Player	MPixx 2001 FM/1 GB Digital Movie and Music Player	MPaxx 704 FM/ 2GB Digital Music Player	MPaxx 703/ 2 GB Digital Music Player	MPaxx 702 FM/1GB Digital Music Player	MPaxx 701/1 GB Digital Music Player
Catalogue page		47	47	46	46	46	46
General information							
Playback formats	Audio	MP3, WMA, WAV	MP3, WMA, WAV	MP3, WMA, WAV	MP3, WMA, WAV	MP3, WMA, WAV	MP3, WMA, WAV
	Photo	JPEG, BMP	JPEG, BMP	–	–	–	–
	Video	SMV(AVI, MPEG, WMV, Real Player, QuickTime)	SMV(AVI, MPEG, WMV, Real Player, QuickTime)	–	–	–	–
Maximum number of files		500	500	700	700	700	700
MP3 data rate	kbps	32 - 320	32 - 320	16 - 320	16 - 320	16 - 320	16 - 320
WMA data rate	kbps	32 - 192	32 - 192	64 - 192	64 - 192	64 - 192	64 - 192
DRM support		• (version 10)	• (version 10)	• (version 10)	• (version 10)	• (version 10)	• (version 10)
FM radio		•	•	•	–	•	–
Station memories		20	20	30	–	30	–
Microphone		•	•	•	•	•	•
Dictation function		•	•	•	•	•	•
Storage medium		2 GB internal flash memory	1 GB internal flash memory	2 GB internal flash memory	2 GB internal flash memory	1 GB internal flash memory	1 GB internal flash memory
System requirements		Win 98 SE / ME / 2000 / XP / Vista CD-ROM drive USB port	Win 98 SE / ME / 2000 / XP / Vista CD-ROM drive USB port	Win 98 SE / ME / 2000 / XP / Vista CD-ROM drive USB port	Win 98 SE / ME / 2000 / XP / Vista CD-ROM drive USB port	Win 98 SE / ME / 2000 / XP / Vista CD-ROM drive USB port	Win 98 SE / ME / 2000 / XP / Vista CD-ROM drive USB port
Installation software		Driver for Win 98 SE	Driver for Win 98 SE	Driver for Win 98 SE	Driver for Win 98 SE	Driver for Win 98 SE	Driver for Win 98 SE
Amplifier							
Power	mW	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5
Frequency response	Hz	20 - 20,000 (128 kbps)	20 - 20,000 (128 kbps)	20 - 18,000 (128 kbps)	20 - 18,000 (128 kbps)	20 - 18,000 (128 kbps)	20 - 18,000 (128 kbps)
Equalizer settings		20-times	20-times	normal, pop, rock, classical, jazz, bass	normal, pop, rock, classical, jazz, bass	normal, pop, rock, classical, jazz, bass	normal, pop, rock, classical, jazz, bass
Display							
Display type		TFT, 1.8 inch, Full Colour	TFT, 1.8 inch, Full Colour	LED	LED	LED	LED
ID3 Tag function (song info display)		•	•	•	•	•	•
lighting colour		65,000 colour display	65,000 colour display	white	white	white	white
Connections							
USB		• (2.0 Full Speed)	• (2.0 Full Speed)	• (2.0 High Speed)	• (2.0 High Speed)	• (2.0 High Speed)	• (2.0 High Speed)
Earphone output		3.5 mm stereo	3.5 mm stereo	3.5 mm stereo	3.5 mm stereo	3.5 mm stereo	3.5 mm stereo
Energy supply							
Battery		1 x 3.7 V lithium polymer battery	1 x 3.7 V lithium polymer battery	1 x 1.5 V AAA	1 x 1.5 V AAA	1 x 1.5 V AAA	1 x 1.5 V AAA
Playback time (MP3, 128 kbps)	up to hrs.	21	21	8	8	8	8
Special features		Diashow function, 4 background designs selectable, file management, 9 European languages selectable, automatic switch-off in sleep time mode	Diashow function, 4 background designs selectable, file management, 9 European languages selectable, automatic switch-off in sleep time mode	automatic switch-off, additional battery cover with belt clip, 2 display designs selectable	automatic switch-off, additional battery cover with belt clip, 2 display designs selectable	automatic switch-off, additional battery cover with belt clip, 2 display designs selectable	automatic switch-off, additional battery cover with belt clip, 2 display designs selectable
Weight (without battery)	approx. g	45	45	40	40	40	40
Dimensions (width x height x depth)	approx. cm	8 x 4.5 x 1.4	8 x 4.5 x 1.4	8.8 x 2.8 x 1.9	8.8 x 2.8 x 1.9	8.8 x 2.8 x 1.9	8.8 x 2.8 x 1.9
Supplied accessories		USB cable, USB charging unit, installation CD, stereo earphones	USB cable, USB charging unit, installation CD, stereo earphones	1 x AAA alkaline battery, installation CD, stereo earphones	1 x AAA alkaline battery, installation CD, stereo earphones	1 x AAA alkaline battery, installation CD, stereo earphones	1 x AAA alkaline battery, installation CD, stereo earphones

Technical data supplied without liability.

RADIO RECORDERS WITH CD		Beezz RCD 6800 A DEC	RRCD 3400 MP3	RRCD 2420 MP3	RCD 1420 MP3	RCD 1410	RRCD 1300
Catalogue page		48	48	49	49	49	49
Tuner unit							
Ranges / Station memories		FM, AM (MW) / 30 (20 +10)	FM, AM (MW) / –	FM, AM (MW) / 20 (10 + 10)	FM, AM (MW) / 20 (10 + 10)	FM, AM (MW) / 20 (10 + 10)	FM, AM (MW) / –
PLL frequency synthesizer / Stereo signal display		•/•	AFC /•	•/•	•/•	•/•	AFC /•
Cassette unit							
Automatic tane control / Tape-end switch off		–	•/•	•/•	–	–	•/•
CD dubbing / One Touch Recording		–	•/•	•/•	–	–	•/•
Transmission range	Hz	–	125 – 10000	125 – 10000	–	–	125 – 8000
CD unit							
D/A converter / Oversampling		1 bit / 8-times	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times
Title memory		32	20	20	20	20	20
Random Play / Intro scan		•/•	–	•/–	•/–	•/–	•/–
Repeat one / all / programme		•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•
Can read CD-R / CD-RW		•/•	•/•	•/•	•/•	•/•	•/•
Frequency range	Hz	20 - 20000	20 – 16000	20 - 16000	20 – 16000	20 – 16000	20 – 16000
MP3 format		MPEG 1/2/2.5 Layer 3	MPEG 1 Layer 3, 44,1 kHz	MPEG 1/2/2.5 Layer 3	MPEG 1 Layer 3, 44,1 kHz	–	–
Maximum folders / Maximum files		200 / 500	99 / 512	512	99 / 512	–	–
Data rate system		8 - 384 kbps and VBR	8 – 320 kbps, variable	32 - 320 kbps and VBR	8 – 320 kbps, variable	–	–
ISO 9660 level 1 compatible		•	•	•	•	–	–
Amplifier unit							
PMPO	W	16	16	16	12	12	24
Nominal / music output	W	2 x 1.5 / 2 x 2	2 x 1.5 / 2 x 2	2 x 1.5 / 2 x 2	2 x 1 / 2 x 1.5	2 x 1 / 2 x 1.5	2 x 1.5 / 2 x 3
Automatic loudness		• 5-way Equalizer	•	–	•	•	–
Ultra Bass System		•	•	•	•	•	•
Loudspeakers		2	2	2	2	2	2
Remote control		•	–	•	–	–	–
Connections							
USB		•	–	–	–	–	–
SD/MMC slot		•	–	–	–	–	–
Stereo headphones (3.5 mm)		•	•	•	•	•	•
Main supply							
Integrated supply / Mains voltage	V~	•/230	•/230	•/230	•/230	•/230	•/230
Batteries / Battery voltage	V=	baby cells / 6 x 1.5	mono cells / 6 x 1.5	baby cells / 6 x 1.5 micro cells / 2 x 1.5	baby cells / 6 x 1.5 micro cells / 2 x 1.5	baby cells / 6 x 1.5 micro cells / 2 x 1.5	mono cells / 6 x 1.5
Weight (without batteries)	approx. kg	2.2	3.2	2.4	1.75	1.75	2.8
Dimensions (W x H x D)	approx. cm	36 x 14.5 x 23.5	42 x 28 x 16.5	28 x 16.5 x 28	24.5 x 14 x 24.5	24.5 x 14 x 24.5	40 x 14.3 x 23.5

PORTABLE CD PLAYER		CDP 5100 SPCD
Catalogue page		46
CD unit		
D/A converter / Oversampling		1 bit / 8-times
Digital Anti Schock System	Sek.	45 (120 MP3)
Title memory		64
Random Play / Intro scan		•/•
Repeat one / all / programme		•/•/•
Can read CD-R / CD-RW		•/• (MP3 also)
Frequency range	Hz	20 – 20000
Amplifier unit		
Output	mWatt	2 x 15
Equalizer settings		5
Ultra bass systems		•
LCD display		•
Connections		
Stereo headphones (3.5 mm)		•
Power supply		
External power supply (for accu operation)	V~	230
Batteries / Battery voltage	V=	mignon cells / 2 x 1.5 up to 12 h playing time
Weight (without batteries)	approx. kg	0.21
Dimensions (W x H x D)	approx. cm	14.3 Ø x 2.8

Technical data supplied without liability.

Playability of CD-Rs/CD-RWs on Grundig drive mechanisms.

It may occur, due to differenes in the quality of the media (CD blanks) as well as the characteristics of the recording (for example, due to the various forms of available burn software), that individual self-made CD-Rs or CD-RWs cannot be read. This does not indicate an incorrect function of the playback unit in these cases.

PORTABLE RADIOS		Music Boy 71	Music Boy 70	Music Boy 51 RP 5201 PLL	Music Boy 50 RP 5200	Mini Boy 62	Micro Boy 60	City Boy 31 PR 3201
Catalogue page		52	52	53	53	53	53	53
Tuner unit / dock								
Ranges		FM, MW (AM), LW, SW	FM, 2 x SW, MW (AM), LW	FM	FM, SW, MW (AM)	FM	FM, MW (AM)	FM, MW (AM)
Station memory		10 + 10 + 10 + 10	–	10	–	10	–	–
Radio data system RDS		•	–	–	–	–	–	–
Program type evaluation (PTY)		•	–	–	–	–	–	–
Display of station name		•	–	–	–	–	–	–
PLL synthesizer		•	–	•	–	•	–	–
Automatic FM fine tuning (AFC)		–	•	–	•	–	–	•
Local / DX switch		•	–	–	–	–	–	–
LCD time / frequency display		• multifunction	–	• multifunction	–	–/•	–	–
Quartz clock with LCD display		•	–	•	–	–	–	–
Amplifier unit								
Nominal output	W	1.20	1.20	0.75	0.50	0.12	0.08	0.10
Music output	W	1.50	1.50	1.0	0.75	0.12	0.08	0.10
Tone balance		•	•	•	•	–	–	–
Automatic loudness		•	•	•	•	Ultra Bass	Ultra Bass	–
Connections								
Stereo headphones (3.5 mm socket)		• (mono)	• (mono)	• (mono)	• (mono)	•	•	• (mono)
Power supply								
Integrated supply		•	•	•	•	–	–	–
Mains voltage	V~	230	230	230	230	–	–	–
Batteries		mono cells	mono cells	baby cells	baby cells	micro cells	micro cell	mignan cells
Battery voltage	V=	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	2 x 1.5	1 x 1.5	2 x 1.5
Weight (without batteries)	approx. kg	1.35	1.3	0.9	0.9	0.09	0.1	0.17
Dimensions (Width x Height x Depth)	approx. cm	26 x 15 x 7	26 x 15 x 7	24.7 x 12.7 x 6.2	24.7 x 12.7 x 6.2	6.1 x 10.5 x 2.8	5.9 x 9.0 x 2.8	7.2 x 12.3 x 3.4
Supplied accessories		–	–	–	–	Stereo earphones	Stereo earphones	–

WORLD RECEIVERS		Yacht Boy 2000	Yacht Boy 80 WR 5408 PLL	Yacht Boy 50 WR 5405	Yacht Boy 10 WR 5401
Catalogue page		50	51	50	50
Tuner unit / dock					
Ranges		FM, 2 x SW, MW (AM)	FM, SW, MW (AM), LW	FM, 7 x SW, MW (AM)	FM, 9 x SW, MW (AM), LW
Station memory		9 x FM, 18 x SW, 9 x MW (AM)	9 x FM, 18 x SW, 9 x MW (AM), 9 x LW	–	–
PLL synthesizer		•	•	–	–
Automatic FM fine tuning (AFC)		–	–	•	•
Narrow / wide		–	•	–	–
SSB (single side band) / Dual conversion		–	•/•	–	–
Local / DX switch		–	•	–	–
LCD time / frequency display		• multifunction	• multifunction	• multifunction	–
2 world times		•	•	•	–
Quartz clock with LCD display		•	•	•	–
Stereo signal display		•	•	–	•
Tuning display / Battery control		•/•	•/•	–	–
Amplifier unit					
Nominal output	W	0.25	0.40	0.10	0.10
Music output	W	0.25	0.40	0.10	0.10
Tone balance		–	switch, 2 steps	–	–
Connections					
Antenna		–	•[1]	–	–
Stereo headphones (3.5 mm socket)		•	•	•	•
Power supply					
Batteries		mignon cells	mignon cells	mignon cells	mignon cells
Battery voltage	V=	3 x 1.5	4 x 1.5	2 x 1.5	2 x 1.5
External power supply	V=	4.5	6	3 – 6	3 – 6
Weight (without batteries)	approx. kg	0.33	0.51	0.27	0.25
Dimensions (Width x Height x Depth)	approx. cm	14.2 x 9.2 x 3.5	18.4 x 12 x 4	12.8 x 8.7 x 3.3	15 x 8.5 x 3.4
Supplied accessories		Leather protective cover	Leather protective cover, SW antenna, earphones	Leather protective cover	Leather protective cover

Technical data supplied without liability.

[1]) External antenna included in delivery.

CLOCK RADIOS		Discalo CCD 6800 DEC	Sonoclock 890	Sonoclock 760	Sonoclock 690	Sonoclock 660	Sonoclock 560	Sonoclock 360
Catalogue page		56	57	54	57	55	55	55
Clock unit								
Electronic clock with 24 hour display		LCD (dot matrix)	LCD	LED	LED	LCD	LED	LED
Quartz stabilized		•	•	•	•	–	–	–
Automatic time synchronisation		–	via RDS¹)	DCF 77 reception¹)	–	via RDS¹)	–	–
Wake-up times		2	1	2	1	2	2	1
NAP: variable short time wake-up function	min.	–	up to 300	–	up to 300	up to 120	–	–
WEC: no wake-up at weekends		–	–	•	–	•	–	–
Wake-up with radio or alarm		• or CD	•	•	•	•	•	•
Alarm repeat time adjustable	min.	9	9	9	9	9	6	9
Wake-up after power failure	min.	up to 59	up to 59	up to 59	up to 59	up to 59	up to 59	up to 59
Automatic sleep timer	min.	up to 90	–	up to 119	–	up to 119	up to 59	up to 119
Display brightness- / colour adjustment		–	–	• (colours) / –	–	•/• (8-fold)	+/–	–
DCF 77 antenna		–	–	•	–	–	–	–
Tuner unit								
Ranges		FM, MW (AM)	FM	FM	FM	FM	FM, MW (AM)	FM, MW (AM)
Radio Data System (RDS)		–	•	–	•	•	–	–
PLL frequency synthesizer		•	•	–	•	•	–	–
Automatic FM fine tuning (AFC)		–	–	•	–	–	•	•
Station memories		20 (10 + 10)	10	–	10	10	–	–
Wire- / ferrite antenna		+/–	+/–	•/•	+/–	+/–	•/•	•/•
CD unit								
D/A converter / Oversampling		1 bit / 8-times	–	–	–	–	–	–
Title memory / Random play		64 / •	–	–	–	–	–	–
Repeat one / all / programme		•	–	–	–	–	–	–
Can read CD-R / CD-RW		• (also MP3 / WMA)	–	–	–	–	–	–
Amplifier unit								
Nominal output	W	2 x 0.8	0.5	0.35	0.5	0.5	0.25	0.25
Music output	W	2 x 1.0	0.8	0.55	0.8	0.8	0.4	0.4
Automatic Loudness / Electronic volume adjustment		–/•	•/•	•/•	•/•	+/–	+/–	–
Connections								
USB		•	–	–	–	–	–	–
SD/MMC slot		•	–	–	–	–	–	–
Headphones socket (3.5 mm)		•	–	•	–	•	–	–
Power supply								
Mains voltage, frequency	V~, Hz	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50	230, 50
Support battery for clock		9 V flat battery	9 V flat battery	9 V flat battery	9 V flat battery	2 x 1.5 V micro cells	9 V flat battery	9 V flat battery
Dimensions (W x H x D)	approx. cm	19 x 16.8 x 18.5	27.6 x 6 x 15	10 x 15.2 x 8	27.6 x 6 x 15	18 x 5.5 x 14.5	11 x 11 x 11	19.1 x 4 x 13.8

Technical data supplied without liability. ¹) DCF 77 signal: displays the exact time and sets itself. ²) Via RDS time signal, broadcasted by some RDS stations.

Customer support centre.

Questions about products, technical concepts or usage? You can contact our customer service centre at any time. We know that information on all the variety of appliances and technologies must always be specific and detailed. Of course, you can consult your dealer directly. But if there are still any points that are not clear – you can contact our telephone service immediately.

For Germany: 0180/5 23 18 80*

For Austria: 0820/2 20 33 22**

Monday to Friday from 8 a.m. to 6 p.m.

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You can order parts, such as remote controls, power units, headphones, connection cables ... and many others directly from our spare parts service.

For Germany:

Telephone: 0180/5 30 06 70*

Fax: 0180/5 30 06 71*

E-Mail: grundig@asci-elektro-service.de

For Austria:

Telephone: 0820/2 40 50 42**

Fax: 0820/2 40 50 43**

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* 14 cent/min. from German landline phones
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Why are Grundig appliances so good? That's a good question – that has 16 answers.

Would you like to know what lies behind the outstanding designs, the powerful sound and the easy to operate Grundig appliances? Then you are in the right place. We would like to present our technical highlights here.

LCD- and Classic-TV

HD Evolution

HD Evolution. Step up to HD ready and get the best television of all time! The full HD picture resolution with over two million pixels (1920 x 1080) currently has the most detailed display in HD televisions. HD Evolution gives you breathtaking picture sharpness with natural flowing colours and extremely high contrast. For more information on HD Evolution, go to pages 6 – 11.

HD-ready

The approved HD ready (HD = high definition) classified flat TVs assures the future of the product. HD ready stands for the technical prerequisites a LCD TV needs to show high resolution television pictures (HDTV). The European Information, Communications and Consumer Electronics Technology Industry Associations (EICTA) has defined the guidelines required for HD ready certification.

- In a 16:9 wide screen format he display must allow a physically, vertical picture resolution of at least 720 lines.
- The appliance's electronic connection must be able to process analogue as well as digital signals for high resolution video pictures. (HDTV = minimum of 1280 by 720 pixels but also 1920 by 1080 pixels).
- For analogue picture signals a highquality component input, YUV signal, with a progressive picture display must be available (a non-interlaced not an interlaced picture).
- For digital picture signals, HDMI (High Definition Multimedia Interface) or DVI (Digital Video Interface) connections can be used.
- The digital connections must be coupled with the copy protection system HDCP (High Bandwith Digital Content Protection).

DIGI 200

DIGI 200 is a TV concept at Grundig which guarantees an unbelievable picture quality with its unsurpassed digital signal processing. The DIGI 200 sets the standard in terms of user convenience with its self-explanatory Grundig Easy Dialog user menu. DIGI 200 can be used exclusively in the high-quality Grundig televisions.

Reference Plus technology

Reference Plus is a technology which optimises the picture and ideally combines high resolution detail with natural movements.
A large digital memory, a fast microprocessor and the relevant software provide intelligent signal processing which prevents picture distortion, such as blurring during fast camera pans.

TP 170 C system remote control

Make one from three: The system remote control TP 170 C features the functions of up to three remote controls.
It can control all the functions on your television, DVB receiver and DVD player.
Grundig Telepilot (TP) stands for comprehensive and easy to use remote controls in home entertainment. The system remote control TP 170 C are especially designed for our high-class range of televisions.
The distinctive Grundig Telepilot TP 170 C designs prove their quality with their silver metallic surfaces, their improved feel and balance.
Functions also include controlling your television with an integrated DVB-T receiver (IDTV = Integrated Digital television).
You can also control all the Grundig DVD player and DVB receiver functions in a clear and organised way.

HDMI input

HDMI (High Definition Multimedia Interface) is the name of digital home entertainment connections of the future.
A HDMI cable transmitts signals for digital pictures, digital surround sound and digital appliance control.
Many HD ready certified Grundig LCD TVs are already equipped with an HDMI input. Digital picture connections must have the contemporary copy protection system HDCP (High Band with Digital Content Protection).

Magic Fidelity

The Magic Fidelity sound system is an ingenious speaker concept which boasts an overwhelming and unbelievable dynamic sound at a low volume.
The compact sound system in the LCD TVs, thanks to Magic Fidelity, captivates with a sound that fills the room and one that you would only usually expect from large, complex loudspeaker systems.

IDTV

IDTV stands for Integrated Digital TeleVision and means that a receiver module for digital television is already integrated into the TV set. To be more precise, it is an integrated DVB-T receiver for reception of digital TV programmes via indoor or rooftop antenna. In this way, the IDTV televisions provide a convenient alternative to a TV set with an additional DVB receiver because connecting the appliances is not necessary and also because you can use the TV remote control.

Slim-line housings

It's not just the LCD TVs that have flat housings, we've also slimmed down the housing depths of our picture tube televisions. Grundig Xentias also have less than 42 cm housing depth thanks to the innovative slim-line picture tubes – ideal for narrow sideboards and shelving.

HDD recorders and DVD players

Hard disc recording/ time shift

Recording from TV programmes without using cassettes, CDs or DVDs onto the hard disc of a HDD recorders is simple. Before or during a programme, simply press the record button on the remote control – without having to search for a video cassette or the right place on the tape and without having to setting up your DVD recorder. And playing back? Even simpler: Find the track in the recording list, click on it and off you go. No rewinding tapes and no searching.
The electronic programme guide (EPG = an electronically broadcast TV magazine for digital televisions [DVB]) makes pre-programming television recordings no trouble at all. Hard disc recording is unique and virtually unrivalled in recording media thanks to the time shift function. Recording and playing on the hard disc at the same time means you can start playback shortly after the recording has started. The time shift can be set individually. The advantage: you can select the beginning of the programme and skip the annoying adverts by fast forwarding.

HDMI output

A digital video signal connection on a DVD player offers high-quality picture playback on HD Evolution or HD-ready flat TV set. But the GDP 3560 has something else to offer. The Grundig DVD player has a scaler electronic which allows moving video pictures a virtual HDTV (high definition television).
The scaler electronic alters the originally, high-resolution picture playback in HD JPEG mode for digital photos in JPEG format.

YesDVD

YesDVD is intelligent software integrated into the Grundig HDD/DVD recorders for the extremely simple, uncomplicated creation of videos on DVD or hard disk drive. YesDVD can independently create logical sections and menu structures, just like the professional DVD you already know. In this way you can easily store your videos or DV videos on DVD or hard disk drive without using a PC.
For more information on YesDVD go to pages 36 – 37.

DivX

You can also compress films in MPEG4 format with the video format DivX.
By compressing this data (encoding), pictures and sound on a DVD can fit on a CD-R/RW without noticeably compromising quality. Grundig DivX licensed DVD players can also be used for the special DivX service "video-on-demand" offered on the Internet. This means, you can easily play DivX compressed videos from the Internet on Grundig licensed players.

Nero Digital

Nero Digital is a revolutionary audio and video format based on the MPEG4 standard and provides the highest-quality playback on Nero-certified devices in home entertainment. Besides the high level of quality, there is another advantage for the user of a Nero Digital-licensed player made by Grundig: You automatically receive with the device freeware for 30 days and an attractive discount if you download the software update.

Hi-fi systems and audio portables

Magic Fidelity

Thanks to the Magic Fidelity sound system the Grundig Ovation micro systems don't just look good but sound good too. Magic Fidelity means an outstanding sound range even at low volume. Grundig engineers have optimally tuned the amplifier electronics to each loudspeaker used. Combined with the special loudspeaker configuration this creates a sound performance that fills the room in unimaginable dynamic and brilliance.

USB port/ card reader

Some Grundig micro systems, even a CD radio and a clock radio, are equipped with a USB port. Thus, for example, a connected player or a stick (MP3 or WMA) with music data stored on it can be played over the powerful loudspeakers of the Grundig audio appliance. The extra card reader available allows you to play back stored music data from SD (secure data) or MMC cards (multi media card) with the same sound performance.

Your specialist retailer:

Further information can be found under www.grundig.com

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